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\$544-4108-60



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First Edition (Merch 1988)

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FCC Notice

FEETERS SEEF STATES

The IBM Wheelwriter® 30 Serias II Typewriter 6787 genarates and uses redio frequency energy. It the typewriter is not instelled end used in accordence with the installetion instructions, operating instructions, and service menual, it may interfere with radio or television reception. This typewriter has been tested end found to comply with the limits for a Cisas B computing device pursuent to Subpart J of Pert 15 of FCC rules, which are designed to provide reasonable protection against such interference when operated in a residential erea.

if this typewriter interferes with redio or television reception, which can be determined by ewitching the typewriter off and on, the user is ancouraged to try one or more of the following:

- Move the receiving antenna on the redio or television.
- Relocate the typewriter in ralation to the radio or television.
- Plug the typewriter into a different electrical outlet from the radio or television.

If necessery, consult your IBM Authorized Dealer. If enyone other than en IBM Authorized Dealer modifies tha typewriter and it causes interference, the user is responsible for correcting the interference.

Safety Information

This machine has additional trisulation that provides extra protection against the risk of electric shock end does not rely on grounding. This machine has a nongrounding-type (2-wire) power cord because grounding is not necessary.

For continued protection against the rick of electric shock and peraonal injury:

- Connect the machine only to an outlet of the correct voltage. The voltage your machine will accept to indicated on the machine.
- Make ourse the machine to turned off (O) before you connect or disconnect the power cord or interconnecting cables.
- . Do not use the machine to an area where it can become wet.
- Keep hair and personal articles away from moving parts in the machine to avoid the possibility of getting them caught.
- Refer aervice or rapair to quatified aervica parsonnal.
- There may be some increased risks of electric shock and personal tnjury during disassembly and servicing of the machine.
 Professional services personnel should understand this and take necessary precautions.
- The safety features of some parts may not atways be obvious.
 Therefore, raptacement parts must have the identical or equivalent characteristics as the original parts.
- The maintenance information for this machina has been written for the protessional service person and is not intended to be used by others.

About Your Typewriter

Congratulations! You are about to experience typing with your new IBM Wheelwriter® Saries II Typewriter.

This typewriter was designed with you in mind. Several new functions have been added that will give you excellent typing quality end make the tasks you have to perform more anjoyable.

This typawriter has an adjustable, one-line disptay that you can tilt to a comfortable viewing angle.

The paper and cursor/carrier movement keye, located to the right of your keyboard, allow you to move quickty and easily to any location on the paper and the diaplay—up, down, left, or right.

Special functions such as Automatic Centering, Word Underlining. Word Erase, Justification, Bold Print, and Spell Check if are all designed to make your typing joba asster, faater, and more productive.

The Storage function ellows you to stora jobs that you may want to use tater. The typewriter has a storage capacity of approximately 30,000 bytes (approximately 10 to 15 pages). After you store e job, you can play it back and revisa it without retyping the antire job. In addition, you no longer have to retype frequently used jobs; for example, form letters, repetitive paragraphs, and statistical reports.

Just tell your tBM typewriter what you went it to do!

You can enhance the use of your IBM Wheelwriter® Series II Typewriter by adding the tollowing options:

Diskette Option

- Memory Expansion
- Pinwheet Form Feeder
- Printer Option

About this Manual

The purpose of this manual is to ald you in performing your work efficiently through the use of your new typawriter. You should know how to type and have used basic typawriter functions prior to using this manual.

The manual is divided into the tollowing chapters:

- Basic Oparations explains and illustrates the parts of this typewriter. It is designed to familierize you quickly with the hardware and how it operates. It provides instructions to use the basic functions and the standard keys on e typewriter.
- Advanced Operations helps you to use advanced functions of the typewriter such as underlining, cantering, apacial characters, indenting, end decimal tabulation.
- Basic Storage axpleina how to stora text, recall it, revise it, and play back e copy.
- Manu Functions enables you to use several special functions of your typewriter.
- Advanced Storege describes the special atorage functions of your typawriter.
- Altarnate Keyboards explains how to type in enother lenguage end use apacial applications keyboarde.
- Reference describes your typewriter supplies, ordering end installation procedures, and application recommendations.
- Problem Determination helps in enswering queetions you may have while using your typewritar.

The Appandixea describe Spell Check il and the Diskette Option.

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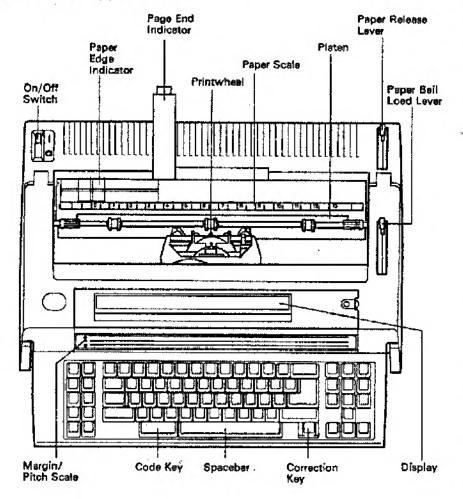
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	Using Spell Check II

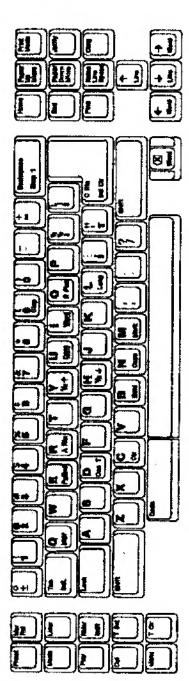
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Basic Operations

Parts of the Typewriter



Keyboard Layout



On/Off Switch

540

Push the on/off switch toward the back of the typewriter (next to the |) to turn the typewriter on.

When you turn the typewriter on for the first time, the STORAGE CLEARED message and the SPELL indicator are displeyed. The STORAGE CLEARED message goes off when you begin typing. The SPELL indicator eignele that the Spelling function is turned on. See "Appendix A. Spell Check II" on page A-1 for more information.



- Each time you turn the typewriter on, weit epproximetely five seconds for the typewriter to beep and the line spece symbol to be dieplayed before you begin typing.
- If you turn the typewriter on and the following appears on the dieplay, see "Checking the Betterlee" on page 7-13.

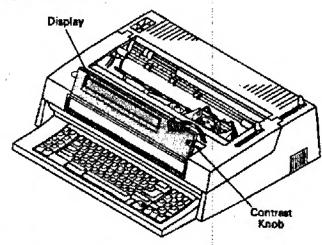


Pull the on/off switch toward you (next to the O) to turn the typewriter off.

Helpful Hints

- A printwheel must be installed before you can type. If not, the WHEEL indicator is displeyed. For more information, see "installing the Printwheel" on page 7-7.
- Do not turn the typewriter off while it is busy. The typewriter is busy when the BUSY indicator is displayed.
- Welt et least five seconds after turning the typewriter off before you turn it back on. This allows the typewriter to reset.

Display Adjustments



- 1. Pull the displey forward to relae it.
- 2. To reduce glars, tilt the displey to a comfortable viewing engle.
- To edjust the contrast, rotate the contrast knob on the right side of the diepley until the characters are clearly readeble.
 - The display temperature end room light can effect how charecters appear on the display.

Display

2=3

Car

C.....

C

C

Cin

-

(Napa

5-3

The displey ahowe what you are typing. As you type, occasionally look at the displey for messages or indicators or to check your typing.

The displey shows 71 characters at a time. If you type more then 71 characters, the text line on the display clears and shows the text five characters you typed, then shows each additional character as you type it.

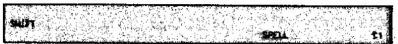
Messagas ere displayed to help you use the typewritar functions and Inform you of typewriter conditions. For example, the STORAGE CLEARED message is displayed the first time you turn the typewriter on to let you know that typewriter storage is ampty. The aymbol and number 1 on the right end of the display let you know the current line space setting (single specing, for example).



The cursor is the pair of horizontal blinking times on the display. The cursor is displayed at the current typing position.



An *indicator* le a word or abbrevietion that showe you which typewriter function is active. For exemple, SHIFT indicates that all cheracters will print in uppercese. The SPELL indicator is displayed if the Spelling function is turned on. See "Appendix A. Spell Check II" for more information.



isplay Symbols

The following symbols may appear during normal operation of the typewriter.

mbol	Meaning			
PI.	Bold. This symbol is displayed above each character typed using Bold.			
	Centering. This symbol is displayed at the beginning and and of centered text.			
ķ	Decimal Tab (Begin). This aymbot ahows where the decimal tab text begins.			
1	Decimal Tab (End). This symbol shows where the decimal tab text ends.			
Ā	Indant Clear. This symbol is displayed when you hold down Coda while you press CRtin to end indenting. The symbol is displayed only when revising a stored job.			
	Indent Left. This symbol is displayed when you hold down Cods while you press Tab to set a temporary left mergin.			
	Indent Right. This symbol is displayed when you hold down Gode while you press Rillar to set a temporary right mergin.			
	Line Space. This symbol is displayed next to the current line space setting (1, 1%, 2, or 3).			
186 186	Mark. These symbols are displayed when you hold down both Code and Shift while you press M to mark a form tayout. These symbols are displayed only when revising a stored job.			
h. A	Pitch Change. This aymbol is displayed when you resume typing after changing pitch.			
	Required Carrier Return. This symbol shows a carrier return that always plays back. For exempts, if you press CRth before the right margin, the carrier return is required. The typewriter always plays back that cerrier return at that point in the job. If several symbols are displayed together end/or e symbol is displayed at the beginning of a line, one blank line will play back for each symbol.			
ī 5	Required Pege End. This symbol is displayed when you hold down Code while you press E to end a pege of a multipage job. This symbol is displayed only when revising a stored job.			
	Right Flush. This symbol shows you where right tlush text begins and ands.			

Symbol	Meening
4	Subscript. This symbol is displayed when you hold down Cods while you press H to type a subscript.
†	Superscript. This symbol is displayed when you hold down Coda while you press Y to type a superscript.
ගි	Stop Code. This aymbot is displayed before end after a stop code comment, if you did not type a stop code comment, two symbols appear to show the position of the stop code.
> <-	Stop Code. During playback, these symbols are displayed when playback stops for a stop code and you have not typed a stop code comment. If you typed a stop code comment, it is displayed between the symbols.
*	Tab. This symbol le displayed when you press Tab.

Display Indicators

Display	Description	Page
ARTH Automatic Carrier Return on		2.1
APAGE Auto Page End on BOLD Bold Print on		4-13
		2-11
BUSY	Typewriter Busy	1-3, 8-10
CAPS	Capa on	1-17
CENTER	Centering on	2-5
CONT	Continuous Underline on	2-4
DEC T	Decimal Tab on	2-14
OL PRT	Delay Print Mode on	2-17
HYPHEN	Hyphanation on	2-1, 5-4
IMPR n	Impression Level (1, 2, or 3)	1-15
JSTIFY	Justification on	2-18
1, 1 1/2, 2, 3	Line Spacing	1-9
KYBD nnn	Keyboard (number)	6-2
LO-BAT	Low Battery	8-6
NO PRT	No Print Mode on	2-17
PLAY	Play .	3-5
AFLUSH	Right Flush on	2-7
SHIFT Shift		1-17
SPELL	SPELL Spell Varification on	
STORE Storage open		3-2
SUSPND	Suspended Playback	5-20
T ADJ	Tab Adjust on	4-17
WHEEL no	Install Printwheal (number)	2-21, 3-26

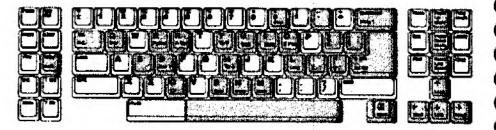
Code Key

The Code key is used with other function keys. The Code key and the keys with green lettering can be used to print epecial characters end furn functions on and off. The Spacebar, Peper Bell Load Lever, Hyphen (-), and 8 can also be used with the Code key.

When you use two keys at a time, hold down Code (the first key) whita you press the function key.



The keys that are used in combination with the Code key are ehaded in the keyboard chert below.



Important: If you accidentally access a function, repeat the action to furn the function off, if you ere unsure of which keys you pressed:

- 1. Check the display for an Indicator.
- 2. Find the indicator on page 1-7.
- Turn to the page lieted and follow the instructions for turning the function off.

Other messages and menus can be cleared by pressing the Correction key.

Line Space Key

When you turn the typewritar on, a line apace symbol and a number are shown on the right side of the display. You can change the line epacing to 1, 1½, 2, or 3 (single, one-and-a-half, double, or triple spacing).

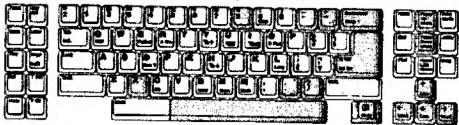


Hold down Code while you press Reloc (Line Space) until the deelred line apacing is dieplayed.

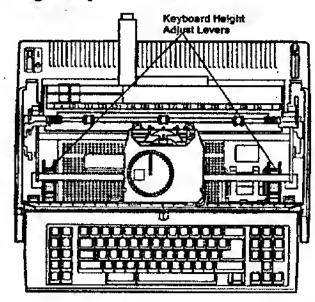
- The number displeyed next to the line epace symbol changes to indicate the spacing selected.
- The line epace setting is saved when the machine is turned off.

Typematic (Repeat) Keys

Typematic keys have both a single and repeat action. Press the desired typematic key lightly for e aingle ection or hold down for more than one-half second for rapeaf action.



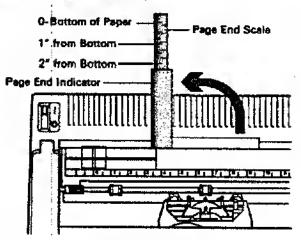
Keyboard Height Adjust Levers



The keyboard can be raised or lowered to the most comfortable position by using the keyboard height edjust levers. There ere three positions: low, medium, and high.

- Use the Specebar to move the carrier to the center of the typewriter.
- 2. Turn the typewriter off.
- 3. Raise the top cover.
- Locate the two blue keyboard height adjust levers. They are located on the Inside of the typewriter on the right and left sides of the bottom penel.
- Pueh down on the levers and elide them to the desired position until they lock into piece.
 - When the levers are ell the wey torward, the keyboard le in the high position.
 - When the levers are in the middle, the keyboard is in the medium position.
 - When the levers are all the way beck, the keyboard is in the low position.
- 6. Meke sure both levers ere locked into the same position.

Page End Indicator and Scale



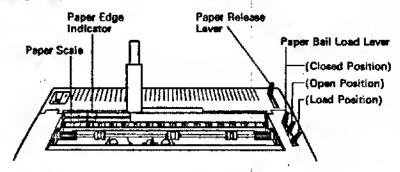
- 1. Reise the pege end indicator until it is straight up.
- 2. Pull the page end scale all the wey out until it locks into piece.
 - As you type, the top of the paper comes out of the typewriter end moves up to the lines on the scale.
 - The lines on the scale tell you approximately how much space remains to the bottom of 27.9 cm (11 in) paper.
 - The left eide of the scele is marked in Inches. The right side is merked in centimeters.

Keyboard Clicker

The keyboard has a clicker that you can turn on or off. Your typewriter is shipped with the clicker off. You can turn the clicker on if you want more keyboard feedback while typing. You will hear the click each time you press a key.

Hold down Code while you press \$ to turn the clicker on or off.

inserting Paper



The typewriter has a paper bail load lever to assist you in loading paper aamlautomatically. The levar has three positions; closed, open, and loed.

- Make sure the typewriter is turned on.:
- Push the paper release lavar all the way to the back of the typewriter.
- 3. Align the center of the paper edge Indicator with the vertical line to the left of zero (0) on the paper scale.
- 4. Align the left edge of the paper with the vertical line in the center of the paper edge indicator.
- 5. Pull the Paper Bell Load Lever all the way forward to the load position. Whan the peper begins to feed, let go of the Paper Sall Load Lever.
 - The paper faeds to the top margin position.
- 6. Push the Paper Self Load Lever ell the way back until it holds the paper egainst the pleten.

You can change the top mergin from one Inch to a different top margin cetting. This naw setting to saved until you change it. You will learn how to use the Paper Ball Load Lever to do this in "Changing the Top Mergin" on page 2-22.

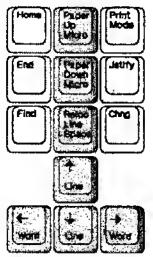
Note: When Inserting loose cerbon copies (five maximum), pull the paper release laver forward. Insart the copies, then push the laver all the way back.

Paper, Carrier and Cursor Movement Keys

Moving the Paper

Use tha following
Up, Paper Down,

Press Poper
down one-ha
Hold down Comove the papalignment,
Press † or ‡ i detarmined to
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Press † or ‡ i detarmined to the papalignment,
Press † or ‡ i detarmined to the papalignment,
Press † o The paper, cerrier and cursor movement keys allow you to move rapidly from one point to another. You now have the advantage of express movement both right end left as well as top to bottom on a



Use the following keys to move the peper in your typewriter: Paper Up. Paper Down, 1, or 1.

- Press Peper Up or Peper Down once to move the paper up or down one-half line.
- Hold down Code while you press Paper Up or Peper Down to move the paper up or down one micro-Index (1/48") for precise
- Press † or 1 to move the paper down or up the number of lines detarmined by the line speca satting.
- Hold down Code while you press † or I when you want to skip. blank lines on a typed page and move directly to lines of taxt.

Note: Holding down 1 or 1 provides an exprass action to move quickly from line to line on a page.

Moving the Carrier and Cursor

Carriar la used below to denote the use of cursor and cerrier. Use the following keys to move the cerriar:

- Prese ← to move the cerrier beckwerd on the current typing line.
- Hold down Code while you press (Word) to move the cerrier backwerd to the previous word.
- Press → to move the carrier forward on the current typing line.
- Hold down Code while you press → (Word) to move the cerrier forward to the naxt word.
- After you have moved tha cerrier, press Reloc (Relocate) to return the cerrier to the last typing position.

Note: Holding down \leftarrow or \rightarrow provides an express ection to move quickly from point to point on a line.

Removing Paper

- 1. Pull the Paper Ball Load Lever towerd you to the open position. (See the illustration on page 1-12).
- 2. Pull the papar release lever toward you, then lift the paper out of the typewriter.
- Push the peper release lever end Paper Bell Loed Lever ell tha wey beck to the closed position.

Note: Use the peper release lever insteed of the 1 key to remove paper.

Impression Control

The impression control cen be set for three positions: light (1), normel (2), end heavy (3). When the typewriter is turned on, the impression control is eutometically set to 2 (normal). You cen change the setting to ault your typing needs. For exemple, you mey went to type with the impression set to 1 to echieve the highest quality corrections with the Correction key, or you mey want to change the impression to 3 when typing several cerbon copies.

- Hold down Code while you keep pressing Q (impr) until the desirad aetting is selected, then release the keys.
 - The IMPR indicator le displeyed followed by the Impression control setting (1, 2, or 3). The IMPR indicetor is displeyed as long as Code is held down.

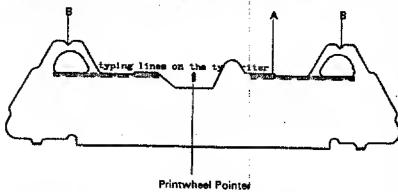


Cardholder

The cardholder holds peper, cards, and envelopes against the platen.

The printwheel pointer shows the position where the next character will print.

The top red portion (A) of the cardholdar indicates the bese of the typing line. As the typewriter prints, the bottom of each character rests just above the lina, as shown below.



You may use the notches (B) to drew verticel lines.

Hold a pencil or pen egainat one of the notches while pressing Paper Up, Peper Down, †, or 1 to move the paper.

Shift and Lock Keys

Use the Shift and Lock keys to type uppercase characters. The Lock key allows you to type continuously in uppercase (all capitals) without pressing Shift for each capital letter.

- 1. Press Lock to type in uppercase.
 - The SHIFT Indicator comes on.
- 2. Press either Shift key to return to normal typing.
 - The SHIFT indicator goes off.

Note: Turning the Caps function on cancels Lock and displaye the CAPS Indicator. See "Caps Key" below.

Caps Key

5-3

Print of

If you need to type numbers and capital letters together, use the Ceps function.

Caps la elmillar to Lock. When the Caps function is on, only the alphabetic letters (a through z) are capitalized. Numbers and punctuation marks print in lowercase. The Caps function eliminates shifting back and forth between uppercase and lowercase.

Example

THE CAPS FUNCTION LETS YOU TYPE NUMBERS MIXED WITH UPPERCASE LETTERS, AS IN JULY 6, 1988, POOME 123-4567, OR EMPLOYEE NUMBER 543210.

Hold down Code while you press N (Cape) to turn Caps on or off.

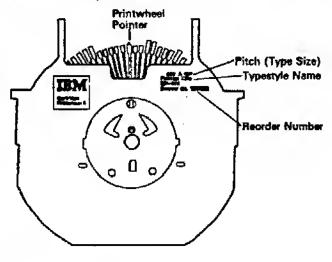
The CAPS indicator is displayed when Caps is on.

Note: Turning the Lock function on cancels Ceps end displays the SHIFT indicator, See "Shift and Lock Keys" above. You cannot turn Caps off by pressing Shift.

Printwheel identification

Your typewritar uses an IBM Certridge Printwheel II. Printwheels are available in many different typestyles and pitches. See "Typestyle Samples and Pitches" on page 7-2 for a list of typestyles. You can choose from four different pitches as shown in the chari on page 1-19.

The Illustration below shows where to find the typestyle, pitch, and reorder number on the printwheel.



Choosing a Printwheel

A 10- or 12-pitch printwhael is recommended for use while you are laerning to use your typewriter. All exemples or practices in this manual are illustrated in 12-pitch type.

if you need to install or change your printwheel, refer to pages 7-6 and 7-7.

Automatic Pitch Selection

The correct pitch is autometically selected by the typewriter when you install a printwheal. The pitch detarmines the number of characters typed per horizontal inch.

The following table summarizes printwheel pitches with print exemples of each pitch.

Pitch (Type Size)	Characters Per Inch	Pitch Symbol	Print Example
10P (Pica)	10	A	This is a sample.
12P (Elite)	12	Δ	This is a sample.
PS (Proportional Spacing)	Varies in Width	•	This is a sample.
15P (Micro Elite)	15		This is a sample.

Lines Per Vertical Inch.

- A printwheel for 10, 12, or PS pitch prints six lines per vartical inch
- A printwheel for 15 pltch prints aight lines per vertical inch.

Margin/Pitch Scale

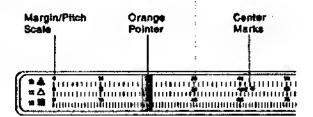
The typewriter has three margin scales: $19 \triangle$, $12 \triangle$, and $15 \square$. When typing, use the scale line that matches the pitch symbol on your printwheel.

- For 10 A pitch (pica) type, use the upper scale.
- For 12 △ and PS pitch (elite and proportional apacing) type. use the middle scale.
- For 15 = pitch (micro elita) type, use the lower scale.

An orange pointer moves along the scale on your typewriter to show the position of the naxt cheractar to print.

The margin/pitch scale also contains centering marks. When the left paper edge lines up with zero on the margin/pitch scale:

marks the approximate center of paper 215.90 mm (8.50 ln) wide. marks the approximate center of paper 219 mm (8.27 in) wide.



Margins

- Press Spacebar, Backspace, ←, or → to move the carrier to the desired position, then press LMar to set the left margin.
 - The old margin is automatically eliminated when a new mergin is set.
- 2. Move the carrier to the desired position, then press RMar to set the right margin.
 - The old mergin is automatically eliminated when a new margin is set.

Margin Release Key

- Return the carrier to the left margin.
- Press MarRel to release the left margin.
- Press Beckspace or to move to the left of the margin.

Helpful Hints

- The carrier does not lock at the right mergin. This allows you to type or space through the right margin. If the ARTN indicator is not displayed, or both the ARTN Indicator and the HYPHEN indicator are displayed, the typewriter will been approximately five spaces before the right margin setting. See page 2-1 for more Information.
- Margins era saved when your typewriter is turned off.

Tabs

Setting a Tab

- Press Spaceber, Beckspace, ←, or → to move the carrier to the dasired tab position.
- 2. Presa TSat to set e teb.

Clearing a Tab

- 1. Preas Tab to move to the teb stop you want to clear.
- 2. Press TCIr to clear the tab.

Clearing Ali Tabs

- 1. Hold down TCIr while you press CRtn.
- 2. Releese tha keys.
 - The carrier does not move when you ralease the keys.
 - The cerrier can be et eny position when you clear ell tebs.

Helpful Hints

- Permanent tabe exist at the left and right mergins. These tabs cannot be cleerad.
- You can set up to 26 teb positions et e time. The displey will ehow up to 15 tab positions at one time.
- · Tebs ere aeved when your typewriter is turned off.

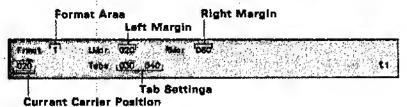
Margin and Tab Formats

Use the Frmat key to displey margina, tabs, formet eree, end current carrier position. The term format means a set of margins and tebs. For axample, one formet might be: left mergin 20; right margin 80; tabs 30 and 40. There are nine format areas (1 through 9) to save margina end tebs.

Displaying Formats

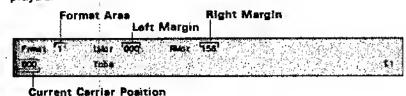
Hold down the Frmat key.

 The current carrier position, mergins, tabs, and format area are displeyed as long ee you hold down the Frmat kay. Intermation similar to the following is displayed when margins and tabs are set:



This display example indicates that you are using format eree 1, and the mergina are 20 and 80 with tabs at 30 and 40. The current cerrier position is 20.

- The currant cerriar position represents the seme cerrier position on the mergin/pitch scale. For example, if you position the orange pointer at 20 on the elite (12△) margin scele, end than press the Frmat key, the current carriar position on the displey is elso 20.
- If no margina are act, the typewriter automatically acts e left and right margin at the carrier limits. For exampla, 0 (left margin) and 158 (right mergin) for 12 pitch. Information similar to this is displayed:



electing Format Settings

Use the Format function to save different margin and teb formats for different kinds of jobs. These formets can be used for jobs you type frequently, such as memos, reports, envelopes, end stetistical cherts. For exemple, you may want to seve a format for typing envelopes: left mergin 40, right mergin 85, and no tabs.

The typewriter has nine erees reserved for formats. Use the Frmat key to select one of these araes ee the current formet. When you set margins and tabs, they are eutomatically seved in the current format aree. The current formst arae is displayed when you press Frmat.

- Hold down Frmat while you press a number (1 through 9) to select the desired format erea.
 - The printwheel spins.
 - If you type the incorrect formet number, press Frmat again; then type the correct number.
- 2. Release the keya.
- 3. Set the desired margins and tabs.
 - The mergins and tabs you set are eutomaticely seved in the format area that you selected in step 1.
- 4. Hold down the Frmst key to check the accuracy of your settings.
- Repeat steps 1 through 4 for each different formet aree.

Selecting a Format Area

- Hold down Frmat while you type the number of the desired formet eree.
- 2. Release the keys.
 - The margins end tebs ere eutometically set.
 - This format becomes the current format.
- 3. Type the Job.

Practica

Carried Street

-

5----

THE PARTY NAMED IN

5-7

- Store the following margins and tabs in the format areas indicated below. Refer to steps 1 through 4 on page 1-24. You will use these formats as you complete the practices leter in this menual.
 - Formet Area 1: LMar 12 RMsr 62 Tabs 15
 - Formst Area 2: LMar 12 RMar 55 No Tebs
 - Format Area 3: LMar 12 RMar 44 No Tabe
 - Format Area 4: LMar 24 RMar 65 Tebs 51

Helpful Hints

- When you press Frmat, the current format is displayed.
 - If you change margins, the new margins will repleca the previous settings in the current format srea.
- Formats ere eutomatically seved when the typewriter is turned off.

Correction Memory

Your typewriter has a correction memory that remembers approximetely the lest 4,000 cheracters (epproximately one page) you type. The correction memory mekes eresing charecters very easy and automatic. The correction memory la present when you turn your typewriter on.

The correction memory is cleered if you:

- Turn the typewriter off.
- Use the Paper Ball Load Lever to insert or remove peper.
- Open storege.

Helpful Hints

- Use autometic erase to correct errora inside the correction memory. See "Eresing Autometically in 10, 12, and 15 Pitch" on page 1-27.
- If the typewriter does not autometically gress a character when you press the Correction key, you may be out of the correction memory. See "Erasing Menually In 10, 12, end 15 Pitch" on pege 1-29.

Erasing Automatically in 10, 12, and 15 Pitch

Erasing a Character



Correction Key

- Press the Correction key one time and one charecter is automat-Icelly eresed.
- Press end hold down the Correction key to erese severel charac-

- 1. Move the carrier to the incorrect word.
- 2. Hold down Code while you press the Correction key to erese the entire word.



- The carrier may be positioned at any character in a word when you use Word Erase.
- 3. Type the correct word.

Icelly erese
Press end I
ters.

Erasing a Word

1. Move the
2. Hold dow
entire wo

The
wh

3. Type ti

Note: If y
Beli Load
to align th
erese as Note: If you remove the paper from the typewriter, use the Paper Bell Load Lever to reinsert the paper for corrections. Do not attempt to align the text on the paper with the display. You must use menual erese as expleined on page 1-29.

elocate Key



Press Reloc (Ralocete) to return the cerrier to the lest typing position after you move tha cerrier to make a corraction.

actice

Type the following santence.

Try the Reloc key to move to the last typing position.

- Hold down Code while you presa ← to move the carrier to the word Try.
- 2. Hold down Code while you press the Correction key to erase the word Try.
- 3. Type the word Use.
- 4. Prass Raioc to return to the last typing position and continua typing.

Erasing Manually in 10, 12, and 15 Pitch

You may want to arase cherectars that are outside the correction memory. If the carrier is correctly positioned over the character when you press the Correction key, and the printwheel spins but does not erase the character, the carrier is outside the correction memory. You must use menual arase.

- Move the carrier to position the printwheel pointar at the incorract cheractar,
 - Make sure the carrier is correctly aligned on the line of type end not between the lines. Use Code + Paper Up or Code + Peper Down for precise vertical alignment. Use Code + Backspece for precise horizontal elignment.
 - If you are arasing the antire word or several characters in the word, position the printwheel pointer et the last incorrect character in the word.

Example

Position Printwheel Pointer Here

You may need to eraes one or several characters.

- 2. Prass tha Correction key. The printwhaal spins.
- 3. Typa the Incorrect character exactly es it eppears on your peper.
 - The incorract cheractar is eraaad.
- 4. Repeet staps 2 end 3 to menually erese each incorract cheracter.
 - You do not have to press Beckspace when are sing from right to left. The cerrier moves to the left when you type the next incorrect cheracter.
- 5. Type the correct characters.

Helpful Hints

- If you are using a proportional spacing printwheel, see "Erasing in Proportional Spacing (PS)" on page 1-30.
- The Bold Print function must be on to manually arase bold taxt.
- The Continuous Underline function must be turned on to menually erase underlined text.

Erasing in Proportional Spacing (PS)

Raed this saction only if you have a proportional spacing (PS) printwheal. Do not complate this section if you are using a 10-, 12-, or 15-pitch printwheal. It you need help changing the printwheel, see pages 7-6 and 7-7.

in 10, 12, or 15 pitch, each character is sillotted the same space. For example, en / takes up the same spece es an m. In proportional spacing, the apace allotted to each character depends on its width. The epece is measured in units. For example, e lowercase m is eeven units wide and a lowercase / is three units wide.

in proportions! apacing, it is usually assist to arase the sntirs word containing an incorrect cherectar, and than ratype the word correctly. Usa Word Erasa as described on page 1-27 to arase the entire word quickly.

Erasing Manually in Proportional Spacing

You may need to erasa characters that are outside the correction memory. You are typing outside the correction memory if your carrier is correctly positioned over the character when you press the Correction key, and the printwheel spins but does not erase the character. You must use manual areas.

When eracing menually, position the printwhaal pointar at the left edge of such incorract character. See the semple printwhaal pointar on page 1-18.

Exampla



Position the printwheel pointer here to erase the a.

- Position the printwheel pointer et the left edge of the last cherscrar in the incorrect word.
- 2. Prass the Correction key.
 - · Tha printwheel spine.
- 3. Type tha fact charectar in the word exectly as you typed it the first time.
 - The charactar is erased.
 - if the incorrect cherecter is not completely erased, hold down Code while you prass Backspace (Bksp1) to reposition the printwheel pointer at the left edge of the last character in the word. Repeat steps 2 and 3.
- 4. Press tha Correction key.
 - The printwheel spins and the cerrier does not movs.
- 5. Type tha pravious charectar in tha word.
 - The carrier becks up end erees the previous charectar.
- Repaat etepa 4 and 5 for each character until the entire word is aread.
- 7. Typa tha corract characters.

Helpful Hints

- When using proportional specing, always use the number 1. Do not use the lowercase letter L for the number 1.
- When erasing menuelly, alweys arese e word from right to laft.
- Whan srasing menuelly, you only naed to position the printwhaal pointer at the list edge of the last cherecter in the word. After you areas the last character, press the Correction key and type the previous character. This action moves the cerriar and areas the previous character.

Inserting an Extra Character

When insarting an extra character in a word, use 8ksp1 to move the cerrier one unit of space. The carrier moves back one unit of space each tima you hold down Code while you prass Beckspace (Bksp1).

- Mova the carriar to the incorrect word.
- 2. Hold down Cade while you press the Correction kay to erasa tha word.
- 3. Hold down Code while you prass Backspace (Sksp1) two or threa timee to move the carrier beck two or three units of spece.
- 4. Typa the correct word.

Practice

Type the first line of the example axactly as printed below. Follow the steps above to insert the I in the word should:

The letters shoud be

The letters be

The letters abould be

Advanced Operations

Automatic Carrier Return

C____3

-

Sec. 3

W. Day

With Autometic Cerrier Return on, the carrier automatically returns when you typa e charecter tollowing a space or hyphen near the right margin. You do not have to prasa tha CRtn (Cerrier Return) kay when the typewriter reaches the right margin.

For some typing jobs, you will want to turn Automatic Carrier Return off. For example, do not use Automatic Cerrier Return when typing tablee, columns, or forme.

Note: If you are using Automatic Carriar Return and want tha typewriter to beep near the right margin, then turn the HYPHEN indicetor on. When the typawriter beepe, you can stop end decide if you want to hyphenate the word you are typing.

Turning Automatic Carrier Return/Hyphen On and Off

- 1. Hold down Code while you press R (ARtn) to turn Automatic Cerrier Return on.
 - The ARTN indicator comes on.
- 2. Hold down Code while you press R again to turn Automatic Carrier Raturn and Hyphanation on.
 - The HYPHEN indicator comas on.
- 3. Hold down Code while you press R to turn Autometic Carrier Return and Hyphenetion off.
 - The ARTN and HYPHEN indicators go off.

ractice

- Insert a 12-pitch printwheel, then hold down Frmat while you press 4 to use the format you saved on page 1-25 (LMar 24 RMar 65).
- 2. Insert peper using the Paper Ball Loed Lever.
- 3. Turn Automatic Carrier Return on.
- 4. Type the paragraph below.
 - Do not press CRtn at the end of the lines except where marked.

Example

Just keep typing and you will see when your new typewriter automatically returns the carrier for you. You can continue typing while the carrier is returning to the left margin.

CRin

telpful Hints

- The carrier does not return autometically if you type only epeces with the Spacebar, or type cherecters without spacing.
- You can continue typing while the cerrier returns to the left margin.
- If you need to end e line before the right mergin, prese CRtn.
 Some exemplee of short lines ere: dete, incide address, eatute-tion, short last line in a paragraph, closing, and short headings.
- While you ere in the correction memory, the typewriter will not perform en eutomatic carrier return it text alreedy exists on the following line, even though the ARTN indicator stays on.

Required Space and Required Hyphen

Sometimes you may not went the cerrier to return automatically at the right mergin because of the kind of text you are typing. For exemple, you may not went the cerrier to return in the middle of names, dates, or certain numbers that must be kept on the same line.

If you type a required space or a required hyphan, the carrier will not return in the middle of text while you are typing with Autometic Carrier Return on.

- Hold down Code while you press Speceber to type e required spece.
- Hold down Code while you press (Hyphen) to type e required hyphen.

Practice

C

C

C --

C

C_3

C ---

-

Type the exemples below with Autometic Carrier Return on, thisert a 12-pitch printwheel, then hold down Frmet while you press 3 to use the formet you saved on page 1-25 (LMar 12 RMer 44).

Words typed without required speces:

Victoria's birthday is January 22, 1968.

Words typed with required spaces:

Code + Spaceber Code + Spaceber

Victoria's birthday is January 22, 1988

Right Margin

Words typed without required hyphens:

Bob's employee number is 123-456-789.

Words typed with required hyphens:

Code + - (Hyphen) Code + - (Hyphen)

Bob's employee number is 123-456-789

Right Margin

erlining

You can automatically underline text continuously or one word at a time. The Continuous Underline function ellows you to underline words end speces as you type. You can also use the Word Underline function to underlins one word et a time after you type it. The spece after the word is not underlined.

inuous Underline

- Hold down Code while you press U (Cont) to begin underlining.
 - The CONT Indicator comes on.
- Type the words to be underlined.
 - The words and speces are underlined automatically as you type.
- Hold down Code while you press U to end underlining.
- The CONT indicator goes off.

Underline

- Type the word to be underlined.
- Hold down Code while you press I (Word).
- The carrier may be positioned at any cheracter in a word when Word Underline is used.
- The carrier backs up to the first cherecter in the word end underlines the word.
- Word Underline is autometically turned off effer the word has been underlined.
- Continue typing and repeat step 2 for each additional word you went to underline.

ul Hints

You can use Beckspace, ←, or † to return to words previously typed but still in the correction memory. Then, hold down Code while you press I to underline the words.

Centering

Text can be centered autometically between the left and right margins or et eny point on a line.

Centering Between Margins

- 1. Make sure you have left and right margins set.
 - Press Frmat to check the margins, if you have not set a right margin, the typewriter eutomaticelly uses the right carrier limit as the right margin. In this case, text le centered between the left margin end the right carrier limit.
- 2. Press CRtn to move the cerrier to the left margin.
- 3. Hold down Code while you press C (Ctr).
 - The carrier moves to the center point between the margins.
 - The CENTER indicator comes on.
- 4. Type the text you went centered.
 - The carrier backs up without printing.
 - The text is displayed.
 - Use the Correction key to correct errors.
- 5. Hold down Code while you press C.
 - The text is centered and printed.
 - The CENTER indicator goes off.
 - Symbols are displayed on each side of centered text to show where centering begins and ends.

Exemple

-3

|- | Centered Text |- |

intering at Any Point on a Line

- 1. Move the carrier to the desired center point.
- 2. Hold down Code while you press C.
- 3. Type the text you want to center.
- 4. Hold down Code while you press C.

elpful Hints

- Pressing CRin, Tab, or DecT also causes text to print.
- To cancal centering before the text prints, press the Correction key until the CENTER indicator goes off.
- To erase centared text, you must arasa all characters before you can erase the centering symbols from the dieplay.
- You can center and underline text at the same time by using the Center and Underline functions together.
- The typewriter prevents you from typing over previously typed text and beeps each time you press a keybutton.
- The Paper Up (Micro), Paper Down (Micro), †, ‡, and Backspace keys do not work while Centering is on. The typewriter beaps when one of these keys is pressed.

Right Flush

I I All a May

C settles

C

CH S

C

C-3

#--

-

The Right Flush function allows you to type text with an even (flush) right margin. You can right align text to the right margin or to any point on a line.

Example

XYZ Corporation 740 Anytown Road Anytown, Ky 00110

Typing Right Flush Text to the Right Margin

- 1. Maka sure you have left and right mergins eet.
- 2. Move the carrier to the left margin.
- 3. Hold down Code while you press D (RFIsh).
 - The carrier moves to the right margin.
 - The RFLUSH indicator comes on.
- 4. Type the text to be aligned.
 - As you type, the carrier backs up without printing.
 - The text is displeyed.
 - Use the Correction key to correct arrors.
- 5. Hold down Code while you press O.
 - The text aligns and prints to the right margin.
 - The RFLUSH indicator goes off.
 - Symbols are displeyed on each side of right flush text,

Example

EXYZ Corporation

Typing Right Flush Text to Any Point on a Line

- Move the carrier to the point where you want the taxt to be aligned to the right.
- 2. Hold down Code while you press O.
- 3. Type the text to be aligned.
- 4. Hold down Code while you press O.

Helpful Hints

- Pressing CRtn, Tab, or DecT also causes the text to print.
- The typewriter prevents you from typing over previously typed text and beeps each time you press a keybutton.
- The rightmost character prints one space to the left of the right margin or right flush point.
- The text will not eppear to be right aligned if you type a space after the last character.
- To cancel Right Flush before the characters print, press the Correction key until the RFLUSH Indicator goes off.
- You can type right flush text and underline at the same time by using the Right Flush end Underline functions together.
- The Peper Up (Micro), Peper Down (Micro), †, ‡, end Beckspace keys do not work while Right Flush is on.

Subscripts and Superscripts

Subscripts are characters typed below the typing line (for example, $CuSO_4$). Superscripts are characters typed above the typing line (for example, $Heppy\ Living^5$).

Using the Subscript end Superscript functions, you can:

- Erase subscripts end superscripte eutomaticelly without moving the paper.
- View the subscript or superecript cherecter end its symbol on the displey with edjoining text, Text typed using Code + Peper Up and Code + Peper Down will not appear with adjoining text.

Typing Subscripts

C.3

G....3

- 1. Hold down Code while you press H (1/4 1).
 - The peper moves below the typing line.
 - A symbol is displayed where the subscript will print.

Subscript Symbol

CuSO (

- 2. Type the subscript,
 - The peper moves back to the typing line.
 - The eubscript is displayed as an overstrike.

Symbol With Overstrike

CuSO4

Typing Superscripts

- 1. Hold down Code while you press Y (1/2 1).
 - The paper moves above the typing line.
 - A symbol is displayed where the superscript will print.

Superacript Symbol

Happy Living

- 2. Type the euperscript.
 - The peper moves back to the typing line.
 - The euperscript le displeyed es en overstrike.

Symbol with Overstrike

Happy Living\$

Helpful Hints

- Do not use the peper movement keye to type subscripts or superscripts.
- Subscripts and superscripts cannot be underlined autometically.
 Underline them manually in Character or Deley Print using the Underline/Hyphen key.
- Autometic Cerrier Return does not work on lines where the Paper Up (Micro) and Paper Down (Micro) keys ere used to type e cubecript.

Special Characters

Your typewriter hee four epecial characters that you can type using the Code key: §, ¶, ², and ³. You can type these characters without changing the printwheel.

Code

5

A section symbol (§) prints.

Code

C---

C_3

C....

C-3

P. Andrews

F-3

5-3

6-3

270

5---2

A peregreph symbol (T) prints.

Code



An exponent (2) prints.





An exponent (*) prints.

Bold Print

Hold down Code while you press B (Bold) to turn Bold Print on or off.

- The BOLD Indicator is displayed when Bold Print is turned on.
- A symbol is displayed above each character typed in bold.

Wald Type _

Text prints in bold ee you type.

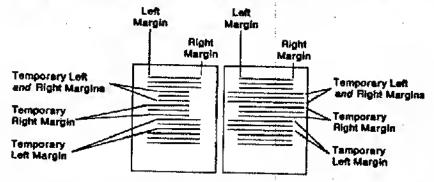
Helpful Hints

 Bold Print mey be used in centering, decimel leb, end right flush text. For recommended readebility in Bold Print, eee "Printwheel Application Recommendations" on page 7-4.

31

Indentina

The indent function allows you to set temporary left or right margins inaide or outside the current mergins. The temporary mergins are used until the indent function is turned off.



- 1. Type until you reach the first tine to be indented.
- 2. If you went to set a temporary left margin, move the carrier to the desired temporary left margin position, then hold down Code while you press Tab (IndL).
 - A symbol is displayed to indicate that e temporary left mergin has been set.

For example, you can set

- 3. If you went to set a temporery right mergin, use the Spacebar to move to the desired position.
- 4. Hold down Code while you press RMar (IndR) to set a temporary right margin.
 - A symbol is displayed to indicate that a temporary right mergin has been set.

For example, you can set

- Press and hold to move to the left mergin.
- Type the Indented lines.
- When you finish typing the Indented lines, hold down Code while you press CRtn (IndClr) to clear the temporary mergins.
 - The carrier returns to the left mergin.

Practice

- to linsert a 12-pitch printwheel, then hold down Frmat while you press 2 to use the format you saved on page 1-25 [LMar 12 RMar 55) रामाधीक देन का वर्ग क्यांकित विमारिक्त प्रदेश के वेदेन वर्ग महावस्त्र करते हैं करें
- 2. Turn Automatic Corrier Return on.
- \$5. Follow the steps on the previous page to type the practice below.

sering wind a decidence of sering. Estimated in was a state of the four new typewriter is designed to make white chart a protyping casier and much more enjoyable.

Temporary Com Such with Temporary Size fort principles of a

Les Margin mares so the co Right Margin as a second coll being to

200g \$10g m \$60 about 160 8 0 3 3 2 1 1 1 1 1 1 1 1 For example, you can set margins within a tob when you want to indent lines of text

fry using temporary left and right marging to indest text in your jobs.

CR# トライ を辞れむけましついっか

wader of the same to be the same.

Helpful Hints

- To cancel a temporary margin, press the Correction key until the indent symbol is cleared from the display.
- When revising a stored job (Chapter 3), a symbol is displayed to show where indented text ands.

lines of text.

After correcting typing errors in Indented text, press Reloc to return the carrier to the last typing position. The carrier must be et the last typing position in order to clear the temporary left end right mergins.

ecimal Tabulation

Use the Decimal Tab function to type numbers in verticel columns. You can align numbers on decimal points or at the column's right edge.

When using e proportional specing (PS) printwheel to type numbers, always type the number 1 (on the numbers row). Never use the lower-case L for the number 1.

Typing Numbers with Decimals

Set Tab Here	Set Tab Here	Set Tab Here	Set Tab Hare
		1	
234.56	456.79	1.32	1.50
2.07	20.13	. 5	45.67

- 1. Turn Autometic Cerrier Return off.
- 2. Set a tab for each column.
- 3. Move the carrier to the left mergin.
- Hold down Code while you press D (DecT) to move the cerrier to the first tab etop.
 - The DEC T Indicator comes on.
- 5. Type the numbers up to the decimel point.
 - . The carrier moves beckward but does not print.
- 6. Type the decimal point.
 - The numbers and the decimal point print.
 - . The DEC T Indicator goes off.
- 7. Type any numbers or cheractere that follow the decimel point.
- 8. Hold down Code while you press D to move to the next column.
 - Press CRin after the last column et the end of eech line.

Typing Numbers without Decimals

Set Tab Hera	Set Teb Here	Set Teb Here	Set Teb Here	
26,745	87,453	873	5%	
307	3,498	34	234-	

- Repect steps 1 through 4 ebove.
- 2. Type the number and any cherecters which follow it.
 - The cerrier moves beckward but does not print.
- Hold down Code while you press D. The text prints and the carrier moves to the next decimel tab position.
 - Pressing CRin or Tab also ceusee text to print.
 - If you press CRin, the text prints and the carrier returns to the left margin.
 - If you prece Tab, the text prints end the cerrier moves to the next teb position. Decimal Tabulation is off at this point, and pressing Coda + D moves the carrier to the next tab position for decimal tabulation.
- 4. Press CRin after the last column at the end of each line.

Helpful Hint

The Land of the Land of the Contract of the Co

 The Papar Up (Micro), Peper Down (Micro), †, ‡, and Backepace keye do not work while the Decimal Tab function le on.

Underlining Numbers in a Column

You may went to underline columns of numbers. Follow the steps below so you type the lest line of numbers in each column.

- Before typing the last line of the columne, hold down Code while you press U to turn Continuoue Underlining on.
- 2. Hold down Code while you press D.
 - The carrier moves to the tirst teb stop.
- 3. Prese Spacebar to type eny underlined spaces in front of the number.
- 4. Type the number.
- 5. Hold down Code while you press D to move to the next column.
- 6. Continue typing each number by repeating steps 3 through 5.
- 7. Hold down Code while you prees U to turn Continuous Underlining off.

Double Underlining Numbers in a Column

- 1. Repeat steps 1 through 7 ebove for the first underline.
- 2. Press CRtn after the last number,
- 3. To position the paper:
 - a. Press † once.
 - b. Hold down Code while you press Paper Up twice.
- 4. To underline each column:
 - e. Move the carrier to the position where Underlining begine.
 - Hold down Shift while you prese (Hyphan) repeatedly to underline the numbers.
- 5. Repeat etep 4 until all columns ere underlined.
- 6. Hold down Code while you press † (Line) to realign to the previoue typing line.
- 7. Press CRtn.

Choosing a Print Mode

6-3

<u>___</u>

G-3

Piv C

6-3

- 3

6-3

6--3 6--3

Your typewriter hee three print modes: Cheracter Print, Deley Print, and No Print. You have been using Character Print eo far.

Prese the Print Mode key on the right side of the keyboard.



 Eech time you press the key, the DL PRT (Deley Print) indicator or e blenk (Cherecter Print) is displeyed. If you are working in storage (Chepter 3), the NO PRT (No Print) indicator is elso displeyed. Keep pressing Print Mode until you reach the mode you want to use.



Cherecter Print meene that the typewriter prints each cherecter as you type it.

Deley Print ceusee the typewriter to deley printing until you reach the end of a typing line. This lets you type and make corrections before you print the text. This function is very helpful when you are filling out torms, especially forms using cerbon paper. If text or display symbols (such as stop codes) already exist to the right of your current typing position, Deley Print is temporarily interrupted, even though the DL PRT indicator is still displayed.

No Print cen be used only when you ere working in storege. You will learn about Storege and No Print in Chapter 3.

Justification

Your typewriter can justify lines of text evenly at the right mergin ee you type.

- 1. Meke sure left and right mergine ere eet.
- 2. Press the Jstify key to turn Justification on.
 - The JSTIFY end DL PRT indicators come on.
 - The ARTN and HYPHEN indicetors are automatically turned off when JSTIFY comes on.
- 3. Type the text.
 - The text printe when you reach the right margin.
 - The text prints with an even right mergin.
 - You can continue to type while the text is printing.
 - Lines typed with e cerrier return ere not justified. When Justification is on, the carrier eutometically returns when it reechee the right mergin. Press CRIn at the end of the last line of a peregreph.
- 4. Press the Jatify key to turn Juetification off.
 - The JSTIFY indicator goes off.
 - The typswriter returns to the print mods you had chosen before Justificetion was turned on.

Sample Printout

The eampls below was typed using format eree 1 as saved on page 1-25 (LMar 12 RMar 62).

Sample Printo
The eampls
1-25 (LMar

Justified manuscript between wo not predimes to job is a depress carr

Helpful Hints
Installing tifficetion uneven
Justific Immediation of your next and words to the same wo Justified copy gives the appearance of a printed manuscript. Extra space is added automatically between words so that the right margin is even. Do not press the carrier return key while typing lines to be justified. If the last line of the job is a short line and should not be justified, press carrier return to end that line.

- installing e printwheel to change the pitch or typestyle during justificetion mey cause the left end right mergins to be slightly uneven.
- Justification ie not performed when text elreedy exists on the line Immediately below the current line.
- if you need to correct justified text, you must erese the incorrect text and then type the new text, edding spaces before end efter words so that the text appears justified.

hanging Printwheels While Typing

You can use different printwheels while typing e job. The steps below explain chenging printwheels when you ere using Deley Print, Centering, Right Flush, or Decimel Teb. When you type in Deley Print, text does not print until you reach the right mergin or press CRth. When you use the Centering, Right Flush, or Decimel Teb functione, text does not print until you press e key that ends the function.

ff you change the printwheel while typing deley print, centered, right flush, or decimel tab text, enter a stop code before you change the printwheel. The etop code stops the typewriter so you can change the printwheel during printing.

ing the Same Pitch with a Different Typestyle

Example (Chenging Printwheels in Centered Text)

- 1. Hold down Code while you press C to begin centering.
- 2. Type IBM end one space.
- Hold down Code while you press 9 (Stop) to begin e stop code.
 The stop code comment message is displayed.

Ignore the message at this time. You will learn more about the message when using storage (Chapter 3).



- Hold down Code while you press \$ to complete the stop code, then change the printwheel. See pages 7-6 and 7-7 It you need help.
- 5. Type "Wheelwriter" end one apace.
- Hold down Code while you press 8 two times. Change the printwheel.

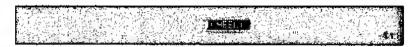
- 7. Type Typewriter.
- 8. Hold down Code while you press C to end centering.
- When the typewriter prints end stops at the stop code, the following symbole ere displayed. Insert the correct printwheel.
 - --> <--
- 10. Press End to print to the next typestyle change.
- 11. Repeet step 9.
- 12. Press End to print the rest of the text.

Using a Different Printwheel Pitch

Stop codee ere eutometicelly entered when you change to e printwheel in a different pitch. When Delay Print, centered, right flush, or decimal tab text prints, the typewriter stops for a pitch change and the new pitch is displayed. For example, if you ere typing in 12 pitch, the following indicator tells you to change to a 10-pitch printwheel:



The WHEEL Indicetor blinks and then changes to reverse lettering.



When you see the WHEEL indicator:

- 1. Insert the correct pitch printwheel.
- 2. Press End to continue printing.

Helpful Hints

Transar

666

- Pitch is the typestyle size based on the number of cheracters per horizontal inch. For exemple, 12 pitch means twelve cheracters per inch, See "Printwheel Identification" on page 1-18 and "Automatic Pitch Selection" on page 1-19.
- Typestyle is the name of a perticular printwheel typetace. For example, Preatige Elite and Script are typestyle names. Typestyle samples are shown on pages 7-2 and 7-3.

hanging the Top Margin

You have alreedy learned that when you insert paper using the paper ball load lever, the paper feeds to the top mergin position. For some applications, you may want to change the poeltion of the top margin (first writing line).

- Insert a sheet of peper using the Paper Bell Load Lever. For more information, see "inaerting Paper" on page 1-12.
 - Always use the Paper Bell Load Lever to insert paper when chenging the top margin. An incorrect top mergin position will reault if it is not used.
- Use the Paper Up, Paper Down, 1, or 1 keys to position this paper at the point where you want to set the new tirst writing line.
- Hold down Code while you pull the Peper Bell Losd Lever forward. The printwheel spins when the new top margin is set.
- 4. Push the Paper Ball Load Lever back to the closed position and release the Code key.

elpful Hint

The new top mergin is seved when the typewriter is turned off.

Basic Storage

Storage Overview

You cen store approximately 30,000 bytes (approximately 10 to 15 pages) in typewriter atorage. With the Memory Expansion Option installed, storage can be expanded to approximately 60,000 bytes (approximately 20 to 30 pages). In addition, the Diskette Option adds virtually unlimited atorage to the typewriter. Contact your IBM Authorized Dealer for dateils.

Note: Some charectar atorage is used for other typewriter ections such as specing, carrier returns, and document control functions.

Storage

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C - 3

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F-3

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G-3

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Figure 3

E-3

Storing jobs is similar to tiling documents in a file cebinet. To use a file cebinet, you open the cebinet, place the document in a file, then close the cabinet. To store a job, you open a storage area, type a job, then close the storage area.

When you are storing e job, you will find it helpful to pay ettention to the display. The display shows what you have typed and presents messages end indicators to help you.

Each storaga aree cen contain one word, e paragreph, or severel pages of text. When a storage area is open, the STORE indicator le displayed end enything you type is stored. When storage is closed, the STORE indicator is not displayed.

Typing joba into atorege allowe you to edd, delete, or revise text later without retyping the entire job. If you use Autometic Carrier Return when atoring end pisying back the job, your line endings are edjusted to show your revisione. Use required hyphens end required species to keep phresea together on one line regardless of their position in the job; for exemple, brother-in-isw end Jenuery 22.

Storing a Job

Opening Storage

- 1. Always prepare the typewriter before you open storage: Insert paper using the Peper Bell Load Lever; install the deelred printwheel; presa Frmet to check margins and tebs; end check the line spacing.
- 2. Hold down Store while you type a number (1 through 99) to open a storage aree. The number you type identifies the etorage area you opened.
 - The STORE and ARTN indicatore come on.
 - If the PLAY indicator comes on, text has alreedy been stored in the storage aree.

Typing into Storage

Type the job. Everything you type is remembered.

- When the ARTN indicator is on, the cerrier eutometically returns at the end of each full line of typing. Leeve Autometic Carrier Return on unless you ere working with columns or tables. Use stop codee as expleined on page 3-30 to remind you when to turn Autometic Carrier Return off or on within a job.
- For jobs requiring margin changes, refer to "Margin end Tab Formats in Stored Jobs" on page 3-8.
- Usa the Correction key to erasa incorrect characters, apacae, or carrier returns you notice immediately. When you finish correcting text, prese Reloc to move the carrier to the last typing position.

Closing Storage

Press Store

- Tebs, margins, and indented margins ere automsticelly stored with the job.
- The carrier moves to the left margin.
- The STORE Indicator goes off, indicating that the storege area le closed.

Practice

- 1. Insert a 12-pitch printwheel, then hold down Frmat white you press 2 to use the format you saved on page 1-25 (LMar 12 RMar 55],
- 2. Store the paragraph below in etorage area 1. If storage area 1 already contains text, close the storege area end open enother.
 - Press CRtn only where indicated.
 - Correct only errors that you notice immediately.

Store + a number (1 through 99)

In the late nineteenth century, a period in history marked by the beginnings of the industrial revolution and the development of new technologies, typing contests drew enthusiastic spectators and provided free advertising for a struggling typewriter industry. In those days, typing speeds of 40 to 45 words per minute were considered astonishing CRtm

- Press Store to close the storage area at the end of the paragraph.
- 4. Hold down Play while you press 1 to play back the job.

- Store

 Store

 3: Press S

 A. Hold ok

 Helpful Hints

 When y
 margin
 elso mo
 is not s

 When y
 print mo
 Line sp When you close a storage area, the carrier moves to the left margin. If you did not press CRtn et the end of your job, the peper elso movee up one line when you press Store. Thie carrier return is not stored with the job.
 - When you open a storage area, the typewriter continues using that print mode that was active before storage was opened.
 - Line space changes ere not atored with the job.

Playback Overview

Using the Play key, you can print stored jobs, copy jobe to other storege erees, make revisions, or combine jobs (Chapter 5). Pleybeck cen be used with storage open or closed. Corrections made during playback with storage closed are not etored with the job.

You can stop playback end then type, make corrections, resume pleybeck, cencel playback, or play back enother job. When you play back e job with storage closed, the job prints bidirectionally (the first line prints left to right, the second line prints right to left, end so forth).

You can pley beck a dreft copy of a job with double epacing end the final copy with single spacing because the line space setting is not stored with the job.

Playing beck multipege jobs is made eesier because the typewriter ellows you to set page length end then stops pleyback at the preset point. For more information, see "Page-Leyout" on page 4-10 and "Auto Page End" on page 4-13.

You cen elso move tab settings (columns) during pleyback, See "Teb Adjust" on page 4-15 for more information.

Playing Back a Stored Job

There ere two weye to pley back a stored job. Jobs cen be pleyed beck with atorage open or with storege closed.

- When you pley beck with etorege open, the job plays beck using the seme mergins end tebs it was stored with,
- When you pley beck with storege closed, the current margin settings ere used it Autometic Cerrier Return is on.

If you went to use the same margins that were used when the job was stored, you can reset the margins to match the ones etored with the job.

Pleying back a job with storege closed ie expleined below. See *Revising a Stored Job Using Cherecter or Deley Print" on page 3-15 tor intermation on pleying back with storege open.

Beginning Playback

- 1. Instell the correct printwheel.
- Set the mergins.
 - Jobs ere pleyed back from storage using the current margin settings. Press Frmat to check current left and right mergins.
 - If you went to set the original mergins for pleyback, use the Directory function as explained on page 4-3 to view the mergin settings etored with the job, then set the mergins.
 - If you do not went to use the current or original margins, set new mergins of your own.
- 3. Position the carrier at the point where you went pleybeck to begin.
- 4. Set Autometic Carrier Return on or off.
 - When Automatic Carrier Return is on during playback, lines ere ended according to the current margin settings.
 - When Autometic Cerrier Return is off during playback, your job plays beck line for tine es you stored it.
- Set line specing.

TOTATION TO THE TOTAL TO

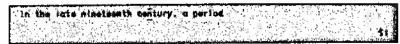
Transport

- Hold down Play while you type the number where you stored the
- 7. Release the keys. Pieybeck begins Immediately.
 - The PLAY Indicator comes on.
 - The first line of the job plays from left to right; the second line of the job plays from right to left, and so on.
 - The PLAY Indicator goes off when pleybeck is complete.

Stopping Playback

Press eny key to stop playbeck.

 If you stop playback while the typewriter is printing left to right, the current line of text is displayed and the cursor rests on the next cherecter to be printed.



 if you stop playback while the typewriter is printing right to left, the typewriter finishes printing the current line, the carrier moves to the left margin, and the paper moves up one line. The next line of text is displayed. The cursor rests on the first character of the line.

Continuing Playback

Press one of the following keys to continue playback:

- → plays back the next character.
- Code + → (Word) playa back the next word.
- I plays to the end of the current line.
- . End plays to the end of the lob.
 - if the carrier is at the right limit, press CRtn, then prese End to continue playback.

Canceling Playback

- 1. Press eny key to etop playbeck.
- 2. Prese Piay to cancel playback.
 - The PLAY indicator goes off.
 - Text already printed from the current line is displeyed.

If you eccidentally cancel playback:

- 1. Presa Piey.
 - The PLAY Indicator is displeyed.
 - The current line of text is displayed and the cursor reste on the next character to be printed.
- 2. Continue playback.

Practice

- Instell the same pitch printwheel and set the seme line space you used when you stored the job on page 3-3.
- Play beck the job. Practice starting, stopping, canceling, and playing back by line, word, and character.
 - You can pley beck the job as many times as you wish.

€ → 3 € → 3 Helpful Hints

- If you press CRtn while typing a job, the cerrier returns at that point during playback.
- Text is not displeyed during playback.

Margin and Tab Formats in Stored Jobs

Use the Formet function as described on pages 1-23 through 1-25 to set margins and tabs to be used for the jobs you store. The following guidelines will help you use tormat areas within your stored jobs.

Before Opening Storage

Selact the tormat area to be used for the job before opening an empty storage area. You cannot select another format area while in storaga. The format area you select is not effected by changing margins and tabs in storage.

After Opening Storage

When an empty etorage area is opened, the tormat you selected is automatically copied to formet erea 0.

When Frmet ie pressed in etorage, format aree 0 is displayed, along with the current margin and tab settings. It you change the margin and tab settings while in storage, the new settings will be dieplayed when you press Frmat. The job is stored with the new margins and tabs, but the formet area you selected is not changed. Format area 0 acts as e working tormat aree to keep you from eccidentelly eltsring e seved format area.

- One left margin and one right margin is stored with the job.
- Set tebs end temporary margins wherevar needed. All tab settings and temporary margins are stored with the job.

After opening a etorege erea thet elreedy conteins text, the stored margins and tabs are displayed when you press the Frmat key.

Changing Margins and Tabe After Opening Storage

TETETET

E-3

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6-3 6-3

- 1. Prees Play to turn the PLAY Indicator off if it is on.
 - Text which has not printed is temporarily cleared from the display.
- Use the Specebar and the Backspace key to move to the desired positions, and use LMar, RMar, and TSet to set margins and tabs.
 - If you press LMsr while in storege, the following message is displayed:

USE INCL OR PRESS LING ABAIN TO RESET DOCUMENT MARGIN OR & TO CANCEL

- Use IndL to set a temporary 1sft margin.
- Use LMsr to change the left margin for the entire job. That is, the left margin for the text you have already typed will change to the nsw left margin when you play back the job.
- Press the Correction key it you do not want to set new margins, indented text remains indented.
- If you press RMar while storage is open, the tollowing message is displayed:

USE LIGHT OR PRESS RIGHT AGAIN TO RESET DOCUMENT MARGIN OR @ TO CANCEL

- Use IndR to set s temporary right margin.
- Ues RMar to change the right mergin for the entire job. That is, the right margin for the text you have already typed will change to the new right margin when you play back the job.
- Press the Correction key if you do not went to set new margine, Indented text remains indented.
- 3. Press and hold to return to the left margin.
- 4. Press Play to turn the PLAY Indicator back on.
 - The current fine of text is displayed and the cursor rests on the next character to be printed.

Practice

Store the following exemple, setting mergins and temporary mergina as Indiceted.

LMar 12

RMar 62

The Indenting function allows you to change your margins within a job. Margins may be moved outside or inside their original settings.

IndL 22.

IndR 52

"If you wish to change either the left or right or both margins after you have started a job, always use the Indent function to make the change."

IndL 18

Code + CRin

Always use the Indent function to make margin changes to your job.

Indt. 7

Code + CRtn

India 6

Changing the margins with the STORE indicator off will not change the stored job. Changing the margins with the STORE indicator on will change the margins for the entire job.

Code + CRin

Typing Hyphens in a Stored Job

Syllable Hyphens

If you are atoring a job and want to hyphanate a long word at the right margin, inaert a syllable hyphan as in this example:

Type - (Hyphsn)

Press CRtn

Our department has considered your application for review.

Remember, you must press CRtn after typing the syllable hyphen.

If the sentence is played back later with different margins and Autometic Carrier Return on, the hyphen will be automatically dropped if it is not needed.

Practice

- 1. Indert a 12-pitch printwheel, then hold down Frmat while you press 2 to use the format you seved on page 1-25 (LMar 12 RMar, 55).
- 2. Open en empty storege eree.
- 3. Type the sentence in the exemple up to the hyphen efter epplice.
- 4. Type the hyphen (-).
- 5. Press CRtn.
- 6. Type the rest of the example.
- 7. Close storage.
- 8. Meks sure Automatic Carrier Return is on and play back the job to see if it matches the example.
- 9. Hold down Frmat white you presa 3 to use the formet you seved on page 1-25 (LMmr 12 RMer 44).
- 10. Make sure Automatic Cerrier Return is on and pley back the job.
 Your copy should resemble the following:

Our department has considered your application for review.

Helpful Hint

After typing the hyphen, if you continue typing the word and let the cerrier return eutomatically, the hyphen will not be dropped if the word occurs in the middle of the line during playback. Your copy will resemble the following:

Our department has considered your applica-tion for review.

Permanent Hyphens

There are two ways to type hyphens to ensure that they will elways play back with the text. The hyphenated word can be kept on one line or allowed to automatically apperate if the text is played back later using different margins.

Keeping a Hypheneted Word on One Line

Hold down Code while you type a hyphen in words or numbers you always want kept together on one line. (If you went the typewriter to beep near the right margin, turn the HYPHEN indicator on when you ara typing the (ob.)

Code + - (Hyphan)

The number to call for assistance is 1-800-555-1212.

Allowing Hypheneted Words to Separate at a Line Ending

Make oure that Automatic Carrier Return is on. Type a hyphoneted word without pressing CRIn and without pressing Code. The following example contains hyphena that mey break automaticelly at the right margin.

A special visitor to our country is our motherin-law.

- 1. Insert a 12-pitch printwheel, then hold down Frmat while you presa 1 to use the format you savad on page 1-25 (LMar 12 RMar
 - Open an empty storage area.
 - 3. Type the exemples below.

Coda + - (Hyphen)

West Politice 1

The number to call for assistance is I-800-555-1212.

A special visitor to our country is our motherin-law.

- 4. Close storage.
- Make sure Automatic Carrier Return is on and pley back the job to see if it matches the example.
- 6. Hold down Frmat while you press 3 to use the format you aaved on page 1-25 (LMar 12 RMar 44).
- 7. Make sure Automatic Carrier Return is on and play back the job. Your copy should resemble the following:

The number to call for assistance is 1-800-555-1212.

A special visitor to our country is our mother-in-law.

Revision Overview

Revisions ere made to jobs when storege is open. Revisions can be made on paper using Cheracter Print or Delay Print, or on the displey using No Print.

When revising on paper (Charecter Print or Deley Print), use Piey to print the job to the revision point. Add, delete, or make corrections to the text et that point end resume playback, Your revisions ere stored just as they appear on the paper. Use Charecter Print to revise tebies and columns.

When revising in No Print, you can move quickly to a revision point without printing the job. The display shows the text and symbole that indicate typewriter functions such as tebs, centering, right flush, and so on, in No Print, you can insert or delete text anywhere in the job without printing it. The Dei key works in combination with the paper end cursor movement keys in No Print to give a wide range of control over deleting text.

If you type or print text in Character or Deley Print and then change to No Print, the carrier moves to the left mergin. This indicates that the display end the text already on paper no longer match. If you return to Character Print to revise the text on the peper, replay the text before making revisions.

Copying a Job for Revision

All revisions ere stored with your job. Therefore, you may want to make a copy of your job before beginning revisions so that you will elways have the original job for use leter, if necessary. To copy a job quickly:

- Hold down Store while you type the number of an empty storege area.
- 2. Select No Print.
- 3. Hold down Play while you type the number of the job you went to copy.
- 4. Press Store to close the storegs area.

Revising a Stored Job Using Character or Delay Print

Playing to the Revision Point

- You may want to make a copy of your job before meking revisions. See "Copying a Job for Revision" on page 3-14 for more information.
- Instell the same pitch printwheel and set the same line epece you used when you stored the job.
 - Position the carrier st the point where you went playback to begin.
- Hold down Store while you type the number of the job to be revised.
 - The ARTN, STORE, end PLAY Indicators are displeyed.
- 4. Make eure Character Print or Delay Print is on.
- 5. Press End to begin playback.
- 6. Press any key to stop playback before the revision point.

Adding Text to the Job In Character or Delay Print

As you add text to a stored job, the words on the dieplay move to the right eutometicelly as new taxt is inserted.

Note: Turn the ARTN indicator off just before revising tables or columns. Turn the ARTN indicator on again after revising the teble or columne. For more information, see page 3-30.

- 1. Play to the revision point.
- Make sure the PLAY and STORE indicators are on. Press →,
 Code + →, or ‡ to continue playback up to where you went to add text.
 - If you pley pest the point where you want to add text, use the Correction key to erase back to the correction point.
 - If you turn the PLAY Indicetor off, the → end 1 keye no longer cause text to print. The → and 1 keye provide express movement to add speces end lines to your job. Turn the PLAY Indicator on again to resume playback with the → and 1 keys.
- 3. Type the text you want to add. If you are adding a word, type a spece efter it.
 - Watch the dieplay. As you type new text, the old text movee over.
 - . In Cheracter Print, new text prints as you type it.
 - In Deley Print, the new text does not print immediately. The carrier moves forward and the new text is displayed. The text prints when you continue playback.
- 4. Type any text you erased.
- 5. Prees \rightarrow , Code $+\rightarrow$, 1, or End to continue playback.

Deleting Text from the Job in Character or Delay Print

When you delete information, the typewriter automatically closes up the epece. You can delete a cheracter, a word, a line, or from some point to the end of the job.

Use the Del key in combination with a function key to delete text.



Note: Turn the ARTN indicator off just before revising tables or columns. Turn the ARTN indicator on again after the table or columns. For more information, see page 3-30.

- Stop playbeck before the correction point. Hold down Code while you press

 to pley one word at a time up to the text you want to delete.
- 2. Delete text before it prints using one of the tollowing combinatione of keys:
 - Del + → deletes the character the cursor is resting on. The cursor moves forward to the next character.
 - Del + Code + → deletes from the cursor to the end of the word, including any punctuetion and spaces that follow the word. The cursor moves to the first character of the next word.
 - Del + 1 deletes from the cursor to the end of the line, including the cerrier return. Since the displey does not always show a full line of text, make sure you are not deleting too much before you press Del + 1. The cursor moves to the tirst character of the next line.
 - Del + End deletes from the cursor to the end of the job. The tollowing message is displayed:

PRESS CHI ACAIN TO DELETE OR PRESS OFTO CANCEL

- Press Del to delete the text.
- Prees the Correction key to cancel Delete and return to the text display.

- Use either of the following keya to detete text from the paper end the display:
 - Press the Correction key to erase one cheracter et e time.
 - Hold down Code while you press the Correction key to erase one word at e time, including punctuation and speces.
- Press →, Code + →, ↓, or End to continue playback.

Practice

- 1. You may want to copy your job before making revisions. See page 3-14 for deteils.
- 2. Install the same pitch printwheel and est the same line space you used when you stored the job on page 3-3.
- 3. Hold down Store while you type the number of the job you stored on page 3-3.
- 4. Select Charecter or Delay Print.
- 5. Press I to play back one line at a time until three lines have printed. Do not play back the fourth line yet. Your playback should resemble the following:

In the late nineteenth century, a period in history marked by the beginnings of the industrial revolution and the development

 Hold down Code while you press → to pley up to the word contests. Your paper should resemble the following:

In the late nineteenth century, a period in history marked by the beginnings of the industrial revolution and the development of new technologies, typing

- 7. Type the word speed, followed by e space.
- 8. Presa I to finish pleying back the fourth line, then continue pressing I until the seventh line has printed. Do not play back the eighth line yet. Your paper should resemble the following:

In the late nineteenth century, a period in history marked by the beginnings of the industrial revolution and the development of new technologies, typing speed contests draw enthusiastic spectators and provided free advertising for a struggling typewriter industry. In those days, typing speeds of

9. Hold down Cods while you press → to pley up to the word to.
Your paper should now resemble the following:

In the late nineteenth century, a period in history marked by the beginnings of the industrial revolution and the development of new technologies, typing speed contests draw enthusiastic spectators and provided free advertising for a struggling typewriter industry. In those days, typing speeds of 40

- 10. Hold down both Del and Code while you press the → key two times. The word 45 end the word to are deleted from the job and the displey.
- 11. Press End to continue playback to the end of the job, then close storage. Your paper should resemble the following:

In the late nineteenth century, a period in history marked by the beginnings of the industrial revolution and the development of new technologies, typing speed contests drew enthusiastic spectators and provided free advertiaing for a struggling typewriter industry. In those days, typing speeds of 40 words per minute were considered astonishing

12. Prees Store to close storage.

Correcting Errors with Storage Closed

Corrections made while playing back with the STORE indicator off are not stored with the job. The corrections will not appear the next time you play back the job.

The procedures used in correcting errors during pleybeck with storage closed ere the eeme as those used in "Revising a Stored Job Using Charecter or Deley Print" on page 3-15. The only exception is that e storage eree is not opened. Therefore, only e brief outline of the procedures ie given below. For more information, see page 3-15.

Beginning Playbeck

- 1. Prepare the typewriter.
- 2. Hold down Piey while you type the number where you stored the job.
 - . The job pleys beck bidirectionally.
- 3. Press any key to stop playback before the correction point.
 - if you stop pleyback while printing right to left, printing stops et the end of the current line.

Adding Text to the Job

- 1. Play up to the point where you want to edd text.
 - Press → to play one cheracter et e time.
 - Press Code + → to pley one word at e time.
 - · Press I to play one line at e time.
- 2. Type the text.
- 3. Continue pleybeck.

Deleting Text from the Job

- 1. Pley up to the text you went to delete.
 - Press → to pley one cheracter et e time.
 - Press Code + → to play one word at e time.
 - Press I to pley one line et e time.
- 2. Use the Del key in combination with the →, ↓, or End keys to delete the text from the display.
- 3. Use the Correction key or Code + the Correction key to erase text from the paper end the display.
- 4. Continue pleybeck.

Revising a Stored Job Using No Print

Using No Print, you can revise your job on the display and In storage without printing it. You can play back a final copy after all revisions have been made. No Print allows you to move to the revision point quickly and saves paper and ribbon.

The displey shows the text end symbols that Indiceta the use of typewriter functions such as tebs, centering, right flush, end so on.

Opening Storage

- Hold down Store while you press the number where you stored the job to be revised.
 - The ARTN, STORE, and PLAY indicators are displayed.
- 2. Press Print Moda until the NO PRT indicetor is displayed.
 - The PLAY indicator goes off.

Moving through Storage

Use eny of the following keys to move the cursor through storage to the desired point:

- moves the cursor one cherecter to the right.
- Code + → moves the cursor one word to the right.
- movee the cursor one character to the left.
- Code + ← moves the cursor one word to the left.
- I moves the cursor to the beginning of the next line.
- Code + 1 moves the cursor forward across blank lines to the next line of text.
- † moves the cureor to the beginning of the previous line.
- Code + 1 moves the cursor beckward across blenk lines to the next line of text.
- End moves the cursor to the end of the job.
- Home moves the cursor to the beginning of the job.

Notes:

- If you have difficulty finding text on the displey, use Cede + 1 or Code + 1 to move across blenk lines to the next line of text.
- Do not use CRtn or Speceber to move through storage unless you went to inseri blenk lines end epaces into the job.

Adding Text in No Print Mode

Note: Use Character Print to revise tablee and columns

- Use the ‡ or ↑ key to move the cursor to the beginning of the line where you went to add text.
- Use →, ←, Code + →, or Code + ← to move the cursor to the point on the line where you went to edd text.
 - For example, to add a word between typing and contests, move the cursor so that it rests on the letter c in contests.

at now technologies, typing	Editable draw
	the second of

- 3. Type the text you want to add.
 - Use the Correction key if you type en incorrect cheracter.
 - Type att necessery specee and punctuation when adding text.
 For exemple, when edding the word speed between the words typing and contests, type a space after speed.

	typing spend contests draw	
	수업 병사 이 없다는 보이가 그리고 있는 그는 그는 사람들이 있는 그리는 생기가 되었다. 그는 지금이 그리고 있는 사람들은 사람들은 그리고 있는 그는 그는 그 사람들이 되었다.	- 1
the state of the s	the state of the s	

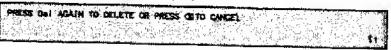
Deleting Text in No Print Mode

Note: Use Character Print to revise tables end columns.

- 1. Move the cursor to the point where you want to delete text.
- 2. Delete text using one of the following combinations of keys:
 - Del + → deletes the cheracter the cursor is resting on. The cursor moves forward to the next character.
 - Del + ← deletes the character the cursor is resting on. The cursor movee backward to the previous character.
 - Del + Code + → deletes from the cursor to the end of the word, including any punctuation and epaces that follow the word. The cursor moves to the first character of the next word.
 - Del + Code + ← deletes from the cursor to the beginning of the word, but does not detete the space preceding the word.
 The cursor moves to the space that preceded the deleted word.
 - Del + I deletea from the cursor to the end of the line, including the carrier return. Since the display does not always show a full line of text, make eure you are not deleting

too much before you press $Del + \downarrow$. The cursor movee to the first character of the next line.

 Del + End deletes from the cursor to the end of the job. The tollowing message is displayed:



- Presa Det to delete the text.
- Press the Correction key to cancel Delete and return to the text display.

Deleting Extra Carrier Returns

If extra carrier returns eppeer in your job, you can delete them just as you delete any other character from the display. The carrier returne play back on your peper as extra white space. Each carrier return is displayed as a symbol.

Example of Extre Carrier Returns on the Dieptay:

Company of the second	
Door Mr. Janes: a gray	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	인성공생기는 사진로 잃다고 하면요? 고려면 어떤 화고 없다면 있다.

Example of Extra Carrier Returns on Paper:

Dear Ms. Jones:

Extre Carrier Returne

THE TANK

Thank you for your interest in our services.

To delete the cerrier returna:

- Move the curaor or pley to the point where extre carrier returns appear.
- Hold down Del while you press → to delete one carrier return.
- Repeet ateps 1 and 2 until all the extra carrier returns are deleted.
- 4. When you are tinished revieing the job, close storage.

Practice

- 1. Insart a 12-pitch printwheal, than hold down Frmat while you press 2 to use the formet you seved on page 1-25 (LMer 12 RMer 55)
- install the same pitch printwheel end set the same line space you used when you stored the job on page 3-18.
- 3. Opan the storega area where you stored the job on page 3-18.
- 4. Select No Print.
- Move the cursor to the fourth line of the job and delate the word speed.
- Move the cursor to the eighth line of the job and edd the words to
 45 after the number 40.
- 7. Close storage and play back a final copy of the job. Your final copy should resamble the following:

In the late sineteenth century, a period in history marked by the beginnings of the industrial revolution and the development of new technologies, typing contests drew enthusiastic spectators and provided free advertising for a struggling typewriter industry. In those days, typing speeds of 40 to 45 words per minute were considered astonishing.

Storage Rules

G----

See and

Separation .

Follow thase rules when storing jobs to ansure the best results for revising end playing back.

- Use the Paper Ball Loed Laver and the paper ralease laver instead of † and ‡ to insert and remove paper. This will pravant you from inearting unwanted blank lines in your stored job.
- While in No Print, use the Cursor Movement Kays when moving around in storage. Do not use the CRIn or Spacebar keys unless you want to insert blenk lines or speces in your job.
- Use the Indent function instead of changing left and right margins within e job. The Indent function is described on page 2-12.
- Automatic Carrier Raturn should be turned off when typing columns or tables within a job. See page 3-30 for tips on turning Automatic Carrier Raturn off while storing a job.
- Automatic Carrier Return should be turned on for all text except columns and tables if you plan to make revisions later. If Automatic Carrier Return is not used when typing into storage, revised text will not play back correctly.
- Usa Charactar Print for typing columna and tables.
- Usa stop codes to give titles to your jobe and to Indicate where changes such as Justification, Automatic Gerrier Return, line specing, typestyle or ribbon changes occur in your job.
- Multipage jobs can be stored in e single storage area. The Auto Page End function is used to separate pages within a job during playbeck. See "Auto Pege End" on page 4-13 for more information.
- Usa tebs instead of spaces to saparate columns in a job. This anablas you to move columns to the right or laft easily with the Tab Adjust function. Tab Adjust is described on page 4-15.
- Usa multipla carrier raturns instaed of chenging line spacing between paragraphs. Changing line spacing is explained on page 3-30.

Playback Rules

Refar to thase rules when pleying beck different types of jobs.

- Always set corract line spacing before beginning playback.
- Play back a job with storege closad when you do not want to store the changes.
- Play back a job with storage open to revisa it. Your changaa are storad with tha job.
- If the WHEEL Indicator is displayed at pleyback, the number following the indicator shows the pitch used when the job was stored. For example, if WHEEL 12 is dieplayed when you ere using a 10-pitch printwheel, you have three choices:
 - 1. Instell a 12-pitch printwhaal to play back the job exactly as it wee stored.
 - Uaa tha 10-pitch printwheel end pisy back the job with Storege closad. The job remeine etored es e 12-pitch job.
 - Use the 10-pitch printwheal and play back tha job with Storege open. The job is stored as a 10-pitch job.

Whan jobs are stored in proportional spacing end played back in 10, 12, or 15 pitch, thay may not play back exectly as you typed them.

When pleying back a job using en altarnete kayboard, printing stops whara the keyboard change occurred and the KYBD indicator comes on. The WHEEL indicator comes on to prompt you to chack that the correct printwheel is installed for the alternate keyboard. Install the correct printwheel end prese End to continue printing. The typewriter automatically selects the new keyboard. For more information, see "Using Alternate Kayboards" on page 6-2.

Revision Rules

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E-3

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F--3

Rafer to thase rulas whan revising different types of Jobs.

- Play back a job with storaga opan to revise it.
- Make a copy of the job before baginning to revise it.
- Usa the Curaor Movement Keys when moving eround in storega.
 Do not usa CRtn or Spacebar unless you want to insert blank lines or epaces in your job.
- If you type or print text in Cherecter or Delay Print and then change to No Print, the carrier moves to the left margin. This indicates that the display and the text already on paper no longer match. If you return to Cherecter Print to ravise the text on the peper, raplay the text before meking ravisions.
- Turn Automatic Carrier Raturn on axcept for portione of the job that contain columns or tables,
- Use stop codee to give titles fo your jobs end to indicete where changas euch ea Justification, Automatic Carriar Return, Ilna apacing, end typastyla or ribbon changas occur.
- Play back the job with storage open to adjust the line endings after making all ravisions.
- Use Cherecter Print to ravise columns and tebles.
- In No Print, whan revising centared or right flush taxt that was typad et the left margin, do not insert spaces or characters before the taxt.

3-26

Deleting Stored Jobs

- Hold down Del while you prees the number where the job le stored.
 - A messege similar to this is displayed:

PRESS Del AGAIN TO DELETE STORAGE 2 DR PRESS GE TO CANCEL

In the exemple above, the 2 is the number of the storage area you are about to delete.

2. Press Del to delete the storege eree.

Canceling Delete

When the message le displayed, press the Correction key to cancel delete.

Deleting All Storage Areas

Warning: This procedure clears all storage end format ereas and turns off all typewriter functions.

- 1. Hold down both Code and Shift while you press Del.
 - · The following message is displayed.

PRESS DO I AGAIN TO DELETE ALL STORAGE AREAS OR PRESS GETO CANCEL

- 2. Press Del to delete all storago areas.
 - The STORAGE CLEARED message is displayed.
 - · All storage areas are cleared.

Using Stop Codes in Storage

Type a stop code at eny point in a job where you went playback to etop automatically. You may want to stop playback to type text es a job prints or to change typewriter settings such es line specing or Automatic Carrier Return. See page 3-30 for etop code applications.

Typing a Stop Code

C-3

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C-3

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E-3

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- Type text or move the cursor to the point where you want the typewriter to stop during playback.
- 2. Hold down Code while you press 9 (Stop) to begin a stop code.
 - The following message is displayed:

TYPE STOP CODE COMENT:

- You may type e ehort comment (up to 50 characters)
 describing whet to do at this point during playback. The
 comment le displeyed but not printed when typed or played
 back.
- Hold down Code while you press 9 to end the stop code. The etop codes and commenta are displayed as follows:

Stop Code
Symbol
Symbol
Change Line Spacing to 28

 Proceed as instructed by the etop code comment, then continue typing.

Playing Back a Job That Contains a Stop Coda

- Pley beck the job ae instructed in "Pleying Back a Stored Job" on page 3-4.
- When playback reeches the stop code, printing etope end the atopcode comment is displeyed with symbols before and efter it.

Stop Code
Symbol

--> Chonge Line Specing to 2<--

- Reed the comment and respond.
 Press End to continue pleybeck.

Deleting a Stop Code

- 1. Meke sure etorege ie open.
- 2. Select No Print.
- 3. Move the cursor to the first stop code symbol.
- 4. Press the Correction key.
 - The stop code end the stop code comment ere deleted.

Stop Code Applications

Reminder to Turn Automatic Carrier Return Off and On

Type e stop code et eny point in e job where you want to turn Automatic Carrier Return off. For exemple, when you went to turn Autometic Cerrier Return off for tables, columns of numbers, or forms, type e stop code at the point where Automatic Carrier Return should be turned off. Type enother stop code of the point where you want to turn Autometic Cerrier Return on again.

Reminder to Changa Lina Spacing

Type e stop code at eny point in a job where you want to change line spacing. For example, you may want to change from double specing to single spacing for long quotes within a report. Type e second stop code at the point where you wish to return the line spacing to its original setting.

Form Letters

Type a stop code at each point where veriable information should be typed in e form letter. For example, you can type a stop code at the point where the date end inside eddress will appear. You can type stop code comments to remind you what information should be typed et eech position.

Job Tities

Type e stop code at the beginning of every stored job with e brief description of the job in the stop code comment. When you pley back the job with storage closed, the comment appears first, ellowing you fo verify that this le the job you went to pley back. When you pley back the job with storage open, the typewriter ignores the stop code at the beginning of the job.

Remindar to Turn Justification On or Off

Type e stop code before any portion of e job that should be justified. In the comment, remind yourself to turn Justification on. Type another stop code at the point where you want to turn justification off.

Reminder to Change Printwheel

When storing e job, you must type a stop code before a typestyle change as that the typewriter will stop to ellow you to change the printwheel. The typewriter automatically stores e stop code when you chenge to a different pitch. Refer to "Changing Printwheels While Typing" on page 2-20.

Keyboard Changes

The typewrifer eutomaticelly inserts stop codes et keyboerd changes in your job. During pleyback, the KYBD indicator comes on to indicate that a new keyboard is going to be selected.

Menu Functions

The Menu key gives you access to several apeciel functions on your typawriter, including:

- A directory of all the jobs in storage. Jobs can be played back, revisad, or deleted through the directory.
- A printed liat of stored jobs.
- A Page Layout function to adjust the number of lines per paga for printing multipage jobs.
- A Tab Adjust function ao you can move tab positions during playback so columns end tebles can print in e new position on the page.
- The ability to viaw and delete words from the Spell Check II supplemantal dictionary. (See Appendix A.)

If you have the Diakette Option, you can opan diskette storage areas through Manu as well.

Identifying the Current Storage Area

While typing in storage, you may want to know which storage area is open.

1. Press Menu.

F-3

 The menu is displeyed. The number to the right of tha massage is the atoraga area that you are presently using.

> Current Storage Area

USE --- TO POSITION AND PRESS GRIN TO SELECT OR PRESS OF TO CANCEL --> 1

Press Menu or the Correction key to cancel menu.

Using the Menu Key

The Menu key can be used with the STORE indicator on or off.

1. Press Menu. The following information is displayed:

USE - TO POSITION AND PRESS CREAT TO SELECT OF PRESS OFTO CANCEL
DIRECTORY LIST PACE-FORMY

- DIRECTORY displays the jobs stored in typewriter storage areas, the emount of storage spece for each job, the left end right margin settings for each job, and the remaining storage spece.
- LIST prints e copy of the directory. For more information, see "List" on page 4-8.
- PAGE-FORMAT allows you to set the number of lines that print on each page of your job and edjust the tab settings in a stored job. For more intormation, see "Page-Leyout" on page 4-10, "Auto Page End" on page 4-13, and "Tab Adjust" on page 4-15.
- SPELL ellows you to view and delete words from the Spell Check II supplemental dictionery. For more information, see "Viewing and Deleting Words from the Supplemental Dictionery" on page A-5.
- 2. You may select a menu function in two ways:
 - Move the cursor to the deaired function, then press CRtn to salect the function; or
 - Type the underlined character in the desired function. For example, type I to view DIRECTORY or L to print a LIST of directory contenta. The taxt may be typed in uppercase or lowercase. When you type the underlined character, the function is automatically selected.
- 3. Press Menu or the Correction kay to cancel Menu.

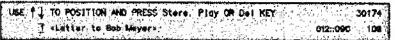
Directory

The Directory menu function displays ellist of the jobs in the type-writer storage erees. The emount of storage space used by each job, the left end right mergins for each job, end the amount of storage space remaining ere also displayed. The directory can also be used to store, plsy back, or delate text.

1. Press Menu. The following information is displayed:

USE 4-4 TO POSITION AND PRESS ORTH TO SELECT OR PRESS OF TO CANCEL OTRECTORY LIST PAGE-POSIANT SPELL

Select DIRECTORY, Information rasembling the following is displeyed:



- The number in the upper right corner of the diapley is tha amount of storage space remaining in typewriter memory; for exemple, 30174.
- If the STORAGE EMPTY message is displayed, you have no loba in atorage.
- The number in the lower right corner on the second line of the displey indicates the amount of storege space used tor that job; tor example, 109.
- The number at the left on the second line is the storage aree where the job is storad; for example, 1.
- It you typed e heading (title) for your job using stop codes as dascribed on page 3-31, it is displayed elso. Otherwise, the first 50 characters of the job ere displayed.
- Job numbers are displeyed only for storage ereas that contain text.
- The numbers 012::090 ere the margin sattings: 012 is the left margin, and 090 is the right margin. The settings ere automatically recalculated to match the pitch of the printwheel in the typewriter. Theratore, it you atored the job using a 12-pitch printwheel, but currently have a 10-pitch printwheel installed, the sattings displayed are for the 10-pitch printwheel. Use these settings to set mergins before pleying back the job.

- 3. Use the † and ‡ keye to continue moving through the directory.
 Only two fines of the directory ere displayed at a time.
- 4. Press Home to return to the beginning of the directory.
- 5. Press End to view the last two lines of the directory.
- 6. Press Menu or the Correction key to cancel Directory.

Revising a Job through the Directory

- Follow the instructions on page 4-3 to view the directory and move to the job you want to revise.
- 2. When the cursor is et the job you want to revise, press Storo.
 - The first line of the job is displeyed.
- 3. Revise the job as instructed on page 3-15.

Playing Back a Job through the Directory

- 1. View the directory end move to the job you went to play back.
- 2. When the cursor is et the job you went to pley back, press Play.
 - The PLAY indicator comes on.
 - The job automaticelly plays beck.
 - To stop pleybeck, press any key.
 - To resume playback, press End, ↓, or →.
 - To cencel pleyback, press any key to stop pleyback, then press Play until the PLAY Indicator goes off.
- 3. When pleyback is complete, the PLAY indicator goes off.

Deleting a Job through the Directory

- 1. View the directory and eelect the job you went to delete.
- When the cureor is at the job you went to delete, press Del. Information similar to the following is displayed:

mens pai acath ag pellet aforas, i og press op 10 dancel T albetre no sok anysys

- Prees Del to delete the Job.
 - Eech time e job le deleted, the Directory reappears.
 - If all jobs ere deleted, the STORAGE CLEARED message is diepleyed.
 - · To cencel delete, prese the Correction key.
- 4. Repeat steps 2 and 3 for each job you went to delete.
- 5. Prese Manu or the Correction key to cancel Directory.

Locating Job Numbers in the Directory

You can use Find with Directory to move to a specific job. You will learn more about the Find function in Chapter 5.

- 1. Press Menu.
- 2. Select DIRECTORY.
- 3. Hold down Find while you type the number of the job you want to locate.
 - It the eelected job does not exist, the next highest number is selected.

List

Use the List function to print e copy of the directory. All job numbers, titles, mergins, the amount of etorage space used by each job, and the emount of remeining storage space is printed.

- 1. Make eure paper is in the typewriter.
- 2. Set the left mergin et one inch to ensure that the list does not print off the right edge of the peper.
- 3. Press Menu. The following information is displayed:

USE --- TO POSITION AND PRESS CREW TO SELECT ON PRESS ONTO CANCEL
OTRECTORY LIST PASE-CORMAT SPELL

- 4. Select LIST to print the directory...
 - The display is cleered while the directory prints.
 - The printed list should be similar to the example below:

30518

1 (Letter to Bob Meyer) 012

012::090 109

- 2 In the late mineteenth centur 020::070 210
- The mergin eettings are eutometicelly recalculated to metch the pitch of the printwheel in the typewriter. Therefore, if you list the job with a 10-pitch printwheel installed one time end with a 12-pitch printwheel installed enother time, the settings will be different.
- If the listed directory is more than one page:
 - e. Press eny key to stop playbeck et the end of the current line. The following message is displayed:

PRESS ENG TO CONTINUE OR PRESS OF TO CANCEL

- b. Use the peper release lever to remove paper.
- c. Use the Peper Bell Loed Lever to insert a new sheet of peper.
- d. Press End to resume printing the list.
 - Press the Correction key to cencel List.

Helpful Hints

- When LIST is selected, the correction memory is cleered.
- The print mode setting does not affect directory printing.
- . The directory prints with the current line specing.
- The directory prints using the current keyboard. Jobs typed using other keyboards ere printed incorrectly. For more information, see "Alternate Keyboards" on page 6-1.
- Auto Pege End is inective during printing of the directory. For more information, see "Auto Page End" on page 4-13.

Storage Full

The storage cepecity of your typewriter le approximately 30,000 bytes (epproximately 10 to 15 pages). Therefore, each stored job subtrects from the available capacity.

Note: This typewriter's storage cepecity mey be expanded to approximately 60,000 bytes (approximately 20 to 30 pages) of etorage space and e Diskette Option may be added for virtuelly unlimited storage. Contact your IBM Authorized Dealer for further details.

Storage Full Warning

When etorege is almost full:

- The typewriter beeps three times.
- The STORE Indicator blinks, then changes to reverse lettering.



You have space for about 100 more characters.

- 1. Stop typing. Do not close storage.
- 2. Do one of the following:
 - Without closing storage, delete a storage area you no longer need (see "Deleting a Job through the Directory" on page 4-5); or
 - Press Store to close the storage aree and continue typing.
 The rest of your job will not be stored.

Storage Full Message

If the typewriter beeps on every keystroke and the STORAGE FULL message is displayed, storage is full. Follow the instructions in "Storage Full Warning."

Page-Format

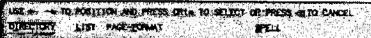
The Page-Format function allows you to eelect the Page-Layout function and turn the Auto Page End end Tab Adjust functions on or off.

Pege-Layout is used to set the number of linee per page end the bottom margin to be used when pleying back a multipage job. When Auto Page End is on during playback, the typewriter automatically etops printing at the end of each page based on the Page-Leyout settings.

The Tab Adjust function allows you to reset the teb poeitione for your job. Therefore, you can move columns or tebies in your job to the right or left. Your tab positions can be reset and stored with the job or changed for piayback only.

To enject PAGE-FORMAT:

1. Press Menu. The following information is displayed:



2. Select PAGE-FORMAT. The following information is displayed:

```
USE - TO POSITION AND PRESS CHIS TO SELECT OF PRESS OF CANCEL

[PAGE-LATOUT ANTO PAGE DISC ON OFF TAB MULTIST: ON OFF
```

Page-Layout

Use Page-Layout to describe the paper you are using in the type-writer. The only time you need to change the Page-Leyout settings is when you change the length of the paper you are using or the bottom margin.

Setting Page Length and Bottom Margin

1. Press Menu. The following Information is displayed:

USE -- TO POSITION AND PRESS CREE TO SELECT OR PRESS ON TO CANCEL BIRECTORY LIST PAGE-ECONATE SPELL

2. Select PAGE-FORMAT. The following information is displeyed:

USE - TO POSITION AND PRESS ORIGING SELECT OR PRESS ONTO CANCEL PROPERTY AND PAGE END: ON OFF TAB ADJUST: ON OFF

3. Select PAGE-LAYOUT. The following Information is displayed:

PAGE LENGTH: BE BOTTOM MARGIN: 6 PRESS OF TO CANCEL

- if the current page length end bottom mergin ere correct, press CRin to select the numbera; "Celculating Page Length and Bottom Margin" on page 4-11 explains how to calculate page length and bottom mergin settings.
- 4. Type the desired number of lines for page length.
 - If you type an incorrect number, press the Correction key to erese it, then retype the number.
 - If you do not want to change the bottom mergin setting, press
 CRtn to select the numbers.
- 5. Press → to move the cursor to the bottom margin setting.

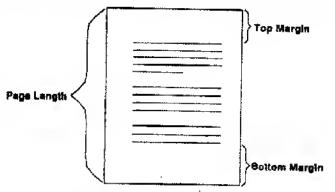
PAGE LENGTH / 88 BOTTOM MARGIN: E
PRESS CRIM TO SELECT OR PRESS OF TO CARCEL

- 8. Type the desired number of lines for the bottom mergin.
 - If you type an incorrect number, press the Correction key to erase it, then retype the number.
 - If the bottom margin setting is greeter than the page length setting, the typewriter bseps.
- 7. Press CRin to select the numbers you have typed.

Calculating Page Length and Bottom Margin

It you have not previously set Pege-Leyout, the typewriter essumes you ere using 11-inch paper with e one-inch bottom mergin. Theretore, if you ere using a 10-, 12-, or PS-pitch printwheel, the page length will be 66 lines and the bottom mergin will be 6 lines. For a 15-pitch printwheel, the settings will be 88 and 6. The typewriter autometically recalculates the Pege-Layout settings when you change pitch.

Printwheel pitch determines the number of lines per inch. For example, 10-, 12-, end PS-pitch printwheels print six lines of text per vertical inch, while 15-pitch printwheels print eight lines of text per vertical inch.



Pege length is the number of single-spaced lines on a page. Page length is determined by multiplying the length of the peper in inches by the number of lines per inch.

The bottom margin setting is the distence in lines from the lest line of text to the end of the page.

The top mergin is set by the paper bail load lever. The top margin is set et approximately one inch unless you have programmed the peper bail load lever ditterently. It the top mergin setting is incompatible with the Page-Leyout settings, the typewriter assumes a top margin of zero during playback.

Pege-Leyout settings ere saved when you turn the typewriter off.

4-10

Common Page-Layout Settings for Paper Length

Paper Length (inches)	Page Length (Linee) 10, 12, PS Pttch	Page Length (Linee) 15 Pitch	
11	66	88	
14	84	112	

Common Page-Layout Settings for Bottom Mergin

Bottom Margin (Inchee)	Bottom Margin (Lines) 19, 12, PS Pitch	Bottom Mergin (Linee) 15 Pitch	
1/2	3	4	
1	6	8	
11/2	g	12	
2	12	16	

Page-Layout Settings for Pinwheel Form Feeder

Important: Reed this section only if you have the Pinwheel Form Feeder Option Instelled on your typewriter.

When you use your typewriter es e printer for your computer, the computer controls the page length settings. However, when you use the machine as a typewriter with a Pinwheel Form Feeder, you must set the Page-Leyout settinge es follows:

- Set top mergin (Code + Paper Bell Load Lever) where you want the lirst line of text to print, for exemple, two lines from the top of the page.
- Set page length to the number of eingle-speced lines per pege. for example, 66.
- Add the emount you ellowed for the top mergin (two tines) to the amount you went for the bottom margin (six lines, for example) end enter the total es your bottom mergin (eight lines).

Auto Page End

The Auto Page End

pege job during
uses the Pege-L
mergin.

Before turning A
See pege 4-10 il

Turning Auto Pag

1. Press Menu The Auto Page End function eutometicelly seperates peges of e multipage job during playback, When Auto Page End Is on, the typewriter uses the Pege-Layout settings to determine pege length end bottom

Before turning Auto Page End on, check the Page-Layout settings. See pege 4-10 il you need help.

Turning Auto Page End On

1. Press Menu.

22222222

277777

- Select PAGE-FORMAT.
- Press → one time to move the cursor to ON.

USE A THE POSITION AND PRESS ONLY TO BE LILL ON PRESS OF IN CANCEL PACE AND AUTOPACE DID. ON OF THE JUNEST. ON OF

4. Press CRtn. The displey is cleared end the APAGE indicator comes on.

Playing Back a Job with Auto Page End On

When Auto Page End stops playbeck at the bottom of the page:

- 1. The typewriter beeps three times and the END OF PAGE REACHED message is displeyed.
- 2. Use the paper release lever to remove peper.
- Use the Paper Beil Load Lever to Insert e new sheet of peper.
- 4. Press End to continue pleyback.

Turning Auto Page End Off

- 1. Prees Menu.
- 2. Select PAGE-FORMAT.
- Prees → two times to move the cursor to OFF.

USE --- TO POSITION AND PRESS CREATED SELECT OR PRESS OF TO CANCEL.
PAGE-LAYOUT AUTO PAGE END: ON OFF TAB ADJUST: ON OFF

- 4. Press CRIn.
 - The dieplay is cleared and the APAGE indicator goes off.
 - When Auto Page End is off, the typewriter does not stop at the end of a page unless a required page end or stop code occurs.

Helpful Hints

- Use the Paper Ball Load Lever to ineert paper.
- Auto Page End does not allow the first line of a paragraph to be the last line on a pege, and continuee playback for one line past the bottom margin to finish a paragraph.
- When storing a job, use a Required Page End (Code + E) after ehort peges of text to force a new page.
- It a job does not play back properly, check your Page-Layout settings. Also check the top mergin set by the paper ball foad lever.
- It the top margin setting is incompatible with Page-Layout settinge, the typewriter assumes a top margin of zero during playback.
- The line space setting does not affect the page length setting.
- You can change pitch without resetting Page-Layout.
- Auto Page End le temporarily turned off if a mark occure which moves past the end of tha page. For more information, see "Ueing Mark for Preprinted Forme" on page 5-24.

Tab Adjust

2000000

Use the Tab Adjust function to control how text typed with tebs is played back. Tab Adjust allows you to mova columns and tables on the page. For example:

Stored Job

	Tab	Tab
•		i
Lexington, KY	40505	606
Owensboro, KY	42301	502
Rockville, MD	20854	301

Stored Job After Tab Adjust

	Tab	Tab	
	. 1	1	
Lexington, KY	40505	606	
Owensboro, KY	42301	502	
Rockville, MD	20854	301	

When Teb Adjust is turned OFF, the tab settings in the current format eree do not effect the tab settings of a stored job. Suppose a job wae stored with a left margin of 10 and tabs at 20 and 35. It you play back this job with the left margin at 10, the tebs will elwaye be at 20 and 35. When the tabs in the current format area are at 40 and 50, the stored job etill plays back with tabs of 20 and 35. The current format area does not affect the tab settinge of the stored job.

The tabs in a job are etored relative to the left margin. In the example above, if you change the left margin at playback to 15, the tabs will play beck at 25 and 40. The tabs are still the same distance from the left margin as when you stored the job. That is, the tabs ere still 10 and 25 speces from the left margin. The tabe in the job have not changed; only the left margin changed.

With the Teb Adjust function turned ON, the typewriter moves the tabs in the job from the stored settings to the current settings.

Turning Tab Adjust On

1. Press Menu. The tollowing information is displeyed:

THE POST POST POST OF TO SELECT OF PRESS OF CAPEL

Select PAGE-FORMAT. Press → three times to move the cursor to ON.

USE - - TO POSITION MO PRESSORIE TO SELECT ON PRESS OF TO CHICD.

PAGE-LAYOUR MUTURICES DIO: ON OFF THE MOMES! THE OFF

- 3. Preas CRtn to turn TAB ADJUST on.
 - The TADJ indicator le dieplayed.

Turning Tab Adjust Off

1. Press Menu. The following information is displeyed:

USE -- - NO POSITION AND PRESS CALLA TO SELECT OR PRESS OF TO CARCEL.

- 2. Select PAGE-FORMAT.
- 3. Press → four times to move the cursor to OFF, than press CRtn.

USE --- TO POSITION AND PRESENTATION TO BELECT ON PRESENT ON OFF

Teb Adjust is cenceled end the T ADJ indicator goes off.

Moving Tabs During Playback

Follow these ataps to pley back a job with new tab settings. These new settings are not permanently etored.

- 1. Maka aure the STORE end ARTN Indicators ere turned off.
- 2. Turn TAB ADJUST on.
- 3. Press Frmat to check the formet eres. Set the desired tebs using TSet and TCir.
- Hold down Play while you prese the number of the job to be played back with new tabs.
 - The PLAY indicetor comes on and the job pleys back.
 - When pleybeck is complete, the PLAY Indicator goes off.
 - The T ADJ indicator is displeyed until Teb Adjust is turned off.

Moving Tabs throughout a Stored Job

Follow these stape to store your job with new tab settings. These new settings are permenently stored.

- 1. You may want to copy your job before edjusting tabs. See page 3-14 for details.
- 2. Meke sure the STORE end PLAY indicators are off.
- 3. Turn TAB ADJUST on.
- Hold down Store while you press the number of the job to be stored with new tabs.
 - Tha STORE end PLAY indicators come on.
- Select Character or Delay Print, Tsbs are adjusted only in Charecter or Delay Print.
- 6. Press Frmat to check the tebs in the etored job.
 - Set the desired tabs using TSet and TCir. See page 3-9 for more information.
- 7. Press one of the following keya to begin playbeck:
 - → to play back one cheracter et a time.
 - I to plsy to the end of the current line.
 - End to pley to the end of the job.
- 8. Press Store when pleyback is complete.
 - The STORE and PLAY indicators go off.
 - The Job is stored with new tab settinga.
 - The T ADJ indicator is displayed until Teb Adjust in turned off.
- 9. Turn TAB ADJUST off.

Practice.

- 1. Insert e 12-pitch printwheel, then aet the following mergins end tabe in format area 5: LMer 12 RMar 72 Tabe 48 60.
- Store the text below in storege eree 25. If storage eree 25 already contains text, close the storege area end open another.

Example

	Tab
Lexington,	KY 40505 606
Owensboro,	KY 42301 502
Rockville,	MD 20854 3 301

- 3. Close storege, then play beck the job.
- 4. Clear all tabs, then pley back the job. Your printed copy will be identical to the first copy you printed.
- 5. Set the following tebs. 24, 36, 48, 60. Play back the job. Your printed copy will be identical to the first copy you printed.
- 6. Clear all tabs, then set the following tabs: 36, 48. Your printed copy will be identical to the first copy you printed
- 7 Turn Tab Adjust on, then pley the job. The columns on your printed copy will move to the new tabs.

Moving Tabs in a Portion of a Stored Job

By turning Teb Adjust on and off during pleyback, you cen change the teb settings for a portion of the job.

- 1. Make eure the STORE and PLAY Indicators are off.
- 2. Prees Frmat to check the current mergins end tebs.
 - Set the seme margins you used when you stored the job.
 - Set tebs et the desired new positions.
- 3. Select Cheracter Print.
- 4. Play the job through the tebs that ere to remein unchanged.
 - Use I to play one line et e time.
- 5. When you reach the part of the job containing tabe you want to move, turn Teb Adjust ON.
- 6. Play those linea containing tabs that should move.
 - Use 1 to play one line at a time.
- 7. Turn Tab Adjust OFF.



Practice

- 1. Insert e 12-pitch printwheel, then set the following mergins end tabs in format eree 6. LMar 12 RMar 84 Tabs 36, 60.
- 2. Store the text below in storage area 26. If storage area 26 elreedy contains text, close the storage area end open another.

100	Store	Directory	Find
	Playback	List	Change
	Revise	Page-Format	Mark
	Hyphenate	Page-Layout	Document Assembly
	Stop Codes	Auto Page End	Justification.
	Deleting Joba	Tab Adjust	

- 3. Close the storage erea:
- 4. Cleer all tabs. Set new tabs at 30 and 48.
- 5. Pley through the third line (Revise, Pege-Formet, Mark) of the job you atored in step 2
- 6. Turn Teb Adjust ON
- Pley the rest of the job. Notice that the second end third columns heve moved.
- 8 Turn Teb Adjust OFF.

Helpful Hints

- Be eure to turn Tab Adjust off atter using it.
- Only tabs thet are ectually pleyed back are edjusted in storage.
- Only text that was typed efter e teb will move. It spaces or tabs end beckepedes were used instead of tabs to seperate columns, the text will not be moved by Tab Adjust.
- Permenent tabs exist et the left end right mergins. These tabs cannot be cleered.

Justification during Playback

Jobs can be pleyed back with the JSTIFY indicator on for en even right mergin (as in a newspaper). You must set left and right margins before justifying a job during pleyback. Use the Directory function as explained on page 4-3 to view the mergin settings used in the stored

Sample Justification Printout

Justification durin

Jobs can be pleye
right mergin (as '
before justifying
explained on p
job.

Sample Justifi

Juetifie
manuscr
betweer
bo not
lines
job
pras Justified copy gives the appearance of a printed manuscript. Extra apace is added automatically between words so that the right margin is even. Do not press the carrier return key while typing lines to be justified. If the last line of the job is a short line and should not be justified, press carrier return to end that line.

Practice

- 1. Insert a 12-pitch printwheel, then hold down Frmat while you press 1 to use the formet you seved on page 1-25 (LMar 12 RMar 62).
- Open an empty storage area end type the sample printout on page 5-1.
 - Spece only one time between words.
 - . Do not press CRtm except at the end of the lest line of text.
- 3. Close storege.
- 4. Press the Jettly key.
 - . The JSTIFY end DL PRT indicators are displeyed.
- 5. Hold down Pley while you type the number where the job is etored. Playback begins immediately.
 - . Lines which ere ended by pressing CRtn will not be justified.
- When the job hes played beck, press Jstify to turn Justitication off;

Heipful Hints

- Justification should be turned off for portions of jobs containing tables.
- Do not store footnotes, pege headings, or page numbers with the job since revisions may ceuse page endings to change.

Hyphenation during Playback

You can hyphenete words during pleybeck so your job prints with a more even right mergin.

When the HYPHEN indicator is on during pieyback, the typewriter stops printing where a word will print beyond the right margin. The typewriter beeps end the HYPHEN indicator blinks severel times, then changes to reverse lettering. The cursor blinks at the first character in the word to be hypheneted. Do one of the following when the typewriter stops for hyphenstion:

- Hyphenete the word.
- Keep the word on the seme line.
- Move the word to the next line.

Hyphenetions mede with storage closed ere not stored with the job. If the job is played back with storage open, the hyphenations are stored with the job. When you play beck the job with the seme mergins end the HYPHEN indicetor on, the words you hypheneted pley beck hyphenated. If the margins heve been changed and a previously hyphenated word prints in the middle of a line, the hyphen is dropped.

Turning Hyphenation On

Hold down Code while you press R until the HYPHEN indicator comee on.

The ARTN and HYPHEN indicators are displayed.



Hyphenating the Word

- When the typewriter etops during pleyback, presa to play back cherecters until you hear e beep. This beep indicates that you ere at the right mergin.
- Continue pressing → until you pley to the desired hyphenation point.
 - If you pley pest the hyphenation point, use the Correction key to erase beck to the hyphenation point.
- 3. Type the hyphen.
- 4. Press CRtn.
 - Retype eny cheracters you eresed.
- 5. Presa End to continue pleybeck.

Keeping the Word on the Same Line

When the typewriter etops during pleyback, press End to continue pleyback.

The word ateys on the eeme line.

Moving the Word to the Next Line

- 1. When the typewriter atops during pleyback, preas CRtn.
 - The word is moved to the next line.
- 2. Press End to continue pleyback.

Practice

C--3

E--3

- 1. Insert a 12-pitch printwheel, then hold down Frmet while you presa 1 to use the format you saved on page 1-25 (LMar 12 RMar 62).
- 2. Hold down Code while you press R until the HYPHEN indicator is displayed.
- Hold down Ptey while you type the number of the job you stored on page 3-24. Playback begins immediately.
- 4. When the typewriter atops for a hyphenation decision, do one of the following: hyphenate the word, keep the word on the same line, or move the word to the next line. Refer to page 5-4 if you need help.

Notice the display when pleyback stope; the HYPHEN indicator changes to reverse lettering if there is a long pause while waiting to make a hyphenation decision. The reverse lettering is a reminder to make the decision. See the example of reverse lettering below:



5. Repeet this practice until you are comfortable with hyphenation.
The hyphena are not stored because storage is closed.

Sample Printout

In the late mineteenth century, a period in history marked by the beginnings of the industrial revolution and the development of new technologies, typing contests drew enthusiastic spectators and provided free advertising for a struggling typewriter industry. In those days, typing speeds of 40 to 45 words per minute were considered astonishing.

Helpful Hints

- If you type e syllable hyphen to divide e word, elways press CRin, then press End to continue pleybeck. When the job is pleyed back, the hyphen is dropped it the word occurs in the middle of elline, if you do not press CRin before pressing End, the hyphen becomes a permenent hyphen. The next time you pley the job, the hyphen prints in the middle of the word.
- If e word conteining e permanent hyphen must be divided at the and of e line, pley back the word until the desired hyphen has printed, then press End to continue playback.

Using Find

The Find key ellowe you to seerch for a revision point or perticular text in a stored job quickly. Using Find, you can move directly to a specific word or line to change, replace, delete, or add text to a job. You can also use Find to advance, play, or delete to a specific point.



Advancing To a Find Point

- Hold down Store while you type the number of the storege eree
 you want to open.
 - The ARTN, STORE, and PLAY indicetors ere displayed
- 2. Prees the Find key. The tollowing message is displeyed:



- Type the text thet you went to find (up to 24 characters) exectly as it eppeers in your stored job.
 - When searching for the word the, your typewriter also finde occurrences of the words then, these, lethe, and eo on. Use punctuetion, cepitelization, or speces before and after the word to make specified text unique.
 - Use the Correction key to correct eny typing errors.
- Press End to seerch from the current position to the end of the job.
 - You cen also press Find, ↓, or → to seerch to the end of the job.
 - If you ere using No Print, you can also press Home, ↑, or ← to search to the beginning of the job.
- The typewriter finde the next occurrence of the specified text in the direction you indicated. When the text is displayed, make revisione eccording to the instructions in Chapter 3.

Note: It the typewriter stope for e hyphenation decision, printwheel change, or stop code while you are using Find, the Find function is cenceled. Find is also cenceled it you press any key during a Find operation.

Repeating Find

- 1. Press Find.
 - The lest text you specified is displeyed.
- 2. When the message is displayed, do one of the following:
 - To repeet Find without specifying new text to seerch for, continue with step 3.
 - Type new text to search tor over the old text. The old text is eutometicelly removed from the displey when you type the first cherecter of the new text.
- 3. Press End to search from the current position to the end of the job.
 - You can elso press Find, ‡, or → to search to the end of the job.
 - It you ere using No Print, you cen elso press Home, ‡, or ← to seerch to the beginning of the job.
- The typewriter finds the next occurrence of the specified text in the direction you indicated. When the text is displayed, make the revisions.

Practice

- insert a 12-pitch printwheel, then hold down Frmat while you press 2 to use the tormet you saved on page 1-25 (LMar 12 RMar 55).
- Hold down Store while you type the number of the job you stored on page 3-24.
- 3. Select No Print.
- 4. Press the Find key.
- 5. Type the word typewriter.
- 6. Press End.
- 7. Delete the word typewriter and edd the phrase office equipment.
- 6. Press the Find key.
- 9. Type the word beginnings.
- 10. Press Home.
- 11. Delete the word beginnings and add the phrase first years.

- 12. Close storege when you finish revising the job.
- 13. Play back a copy of the revised job. Your printed copy should resemble the exemple below:

In the late nineteenth century, a period in history marked by the first years of the industrial revolution and the development of new technologies, typing contests drew enthusiastic spectators and provided free advertising for s struggling office equipment industry. In those days, typing speeds of 40 to 45 words per minute were considered astonishing.

Helpful Hints

Sabbabbbbbbbbbbbbbbbbbbbbbbbbbbbbb

- If the TEXT NOT FOUND message is displayed:
 - Make sure you typed the text exectly es it appears in the stored job.
 - Meke sure the cursor is not elready on the text you went to find.
 - Repeat Find end press End, then repeet Find end press Home to make sure you heve searched the entire job.
- Press any key to clear the TEXT NOT FOUND message from the display.
- If you specify to find more than 24 cherecters, the typewriter beeps and ignores each additional character you type.
- Meny alternate keyboards contein eccent merks that are dead keys that print without advancing the cerrier to the next spece. To find text containing accent marks, type the character but not the eccent merk. For exemple, to tind resumé, type resume.

Playing to a Find Point

Combine Find with Play to pley to a particular point in a stored job.

- Hold down Store while you press the number of the job you went to pley back.
- 2. Press the Find key.
- 3. Type the text thet you want to play to.
- 4. Press End. The job pleys to the text you specified.

Deleting to a Find Point

Combine Find with Delete to delete to a perticular point in a stored job.

- 1. Hold down Store while you prese the number of the job you want to pley back.
- 2. Pley or move the cursor to the point where you went to begin deleting text.
- 3. Hold down Det while you press Find.
- 4. Type the text that you want to delete to.
- 5. Prese End. The following message eppeare:

PRESS ON AGAIN TO DELETE ON PRESS 30 TO CALCEL

- Press Del to delete up to the specified text.
- Press the Correction key to cencel delete.
- 6. Close etorege when you finish revising the job.

Practice

- 1. Hold down Store while you type the number of the job you stored on page 5-8.
- 2. Press the Find key.
- 3. Type the phreee and provided.
- 4. Press End to play to the revision point. Your printed copy should resemble the following:

In the late mineteenth century, a period in history marked by the first years of the industrial revolution and the development of new technologies, typing contests drew enthusiastic spectators

- 5. Hold down Del while you press Find.
- 6. Type the phrase in those deys.
- 7. Press End
- 8. When the message is displayed, press Del to delete text up to the phrase. Your display should resemble the following:

enthusiastic spectators in those days, typing speeds

- 9. Press once, then type a period (.), end press the Spacebar one
- 10. Press End to finish pleying beck the job, then close the etorege area. Your printed copy should recemble the example below:

In the late nineteenth century, a period in history marked by the first years of the industrial revolution and the development of new technologies, typing contests draw enthusiastic speciators. In those days, typing speads of 40 to 45 words per minute were considered astonishing.

Using Change

The Change function is elmilar to the Find function. Using the Change function, you can epacify text to eserch for within a job, and new text to replace the text eserched for. For example, you can change the word dog to cet, or change the phrase dogs chase cats to cets chase dogs. This ability to find and change text in a single operation can save considerable time in the revision process. The Change function works only in No Print.



Changing Text

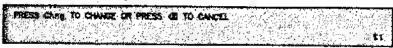
- Hold down Store while you type the number of the storage eree you went to open.
- 2. Select No Print. The NO PRT indicator la displayed.
- 3. Press the Chng key. The following meseage is displayed:



- 4. Type the text thet you want to chenge (up to 24 cherecters).
 - Type the text exectly es it eppeare in your etored job.
 - When searching for the word the, your typewriter will elso find end change occurrences of the words then, these, lethe, end so on. Use punctuation, cepitelization, or spaces before end efter the word to find the text you went.
 - Use the Correction key to correct typing errors.
- Press → to move the cursor to the next message:



- 6. Type the new text (up to 24 cheracters).
 - Type the text exectly as it should eppear in your stored job.
 - Use the Correction key to correct typing errors.
- Prees End to search from the current cursor position to the job, or press Home to search from the current cursor position to the beginning of the job.
 - You can elso press Ching, ->, or 1 to seerch to the end of the
 job. Find mey elso be used, but only e Find operation le performed.
- 8. The typewriter finds the next occurrence of the specified text in the direction you indicated end diapfeys the line of text elong with the following message:



Prece Ching to change the text, or prece Correction to cencel the Change function.

Repeating Change

- 1. Press Chng.
 - The lest text you specified ie displayed.
- 2. When the message is diepleyed, do one of the following:
 - To repeet Change without eltering either position, continue with step 3.
 - Type new text over the old text in the first position, then press
 to move to the second position.
 - Press → to move to the second position without aftering text in the tirst position. Type new text over the old text in the econd position.
- Prees End to search from the current cursor position to the end of the job, or press Home to eearch from the current cursor position to the beginning of the job.
 - You cen elso press → or 1 to eearch to the end of the job.
- When the message is diepleyed, press Ching to change the text, or press the Correction key to cencel the Change function.

Practice

- Insert a 12-pitch printwheel, then hold down Frmat while you press 2 to use the format you seved on page 1-25 (LMer 12. RMar 55).
- Hold down Store while you type the number of the job you stored on page 5-11.
- 3. Select No Print.
- 4. Press the Ching key.
- 5. Type the word typing, then press to move to the next position.
- 6. Type the phrese typing speed.
- Press End to seerch for the next occurrence of the text. When the
 message is displeyed, press the Ching key to change the text.
- 8. Press the Ching key, then prese to move to the second position.
- 9. Type the phrase touch typing.
- 10. Press End to eserch for the next occurrence of the text. When the message is displeyed, press the Ching key to change the text.
- 11. Press the Ching key.
- 12. Type the word new, then press to move to the second position.
- 13. Type the word edvenced.
- 14. Press Home to search from the current cursor position to the beginning of the job. When the message is displayed, prese the Ching key to change the text.
- 15. Close storage when you finish changing text.
- Play back a copy of the job. Your printed copy should resemble the following:

In the late nineteenth century, a period in history marked by the first years of the industrial revolution and the development of advanced technologies, typing speed contests drew enthusiastic spectators. In those days, touch typing speeds of 40 to 45 words per minute were considered astonishing.

Helpful Hints

- If the TEXT NOT FOUND message is displayed:
 - Mske sure you typed the text exactly es it eppears in the stored job.
 - Meke sure the cursor is not eiready on the text you want to change.
 - Repeat Change end press End, then repeat Change end press
 Home to make sure you have searched the entire job.
- Press eny key to cleer the TEXT NOT FOUND message from the displey.
- The following message is displayed when text you specify closely resembles text in the job; for example, when the number of speces typed between words in specified text differs from that in the job.

GLOSS LATON FOLMS: PREST CHAN TO CHANGE OR PRESS OF TO CANCEL

- If you specify more than 24 charecters on the Change menu, the typewriter beeps and ignores each additional charecter you type.
- Meny elternete keyboerds contain accent marks thet are deed keye that print without edvencing the carrier to the next space. To find text conteining eccent merks, type the character but not the accent merk. For example, to find resumé, type resume.

Form Letters

A form (repetitive) letter le the seme letter sent to severel different people. When typing a form letter, store the repetitive information (the body of the letter), then play back the letter and type varieble information (name, inside eddress, and so on).

- Hold down Store while you press the number where you want to etore the letter.
- Type the form letter plecing atop codes wherever verieble information is to appear.
- 3. Press Store to close storage.

In the example below, the varieble information, such as name, address, salutation, and additional information in the body of the letter, is sheded (). When you type the letter, type stop codes where the address, name, and other varieble information appear. You can type the sheded information in atop code comments to remind you what information to type in the letter.

Note: Because the stop codes end stop code comments do not print on the peper, your copy may not match the example below when you first type It.

6 CRtns

Code + 0 (paside Address) Code + 9

2 CRtns

Dear Code + 9 (Mans.) Code + 9
Thank you for ordering an IBM Typewriter.
On Code + 9 (Mars.) Code + 9 we will deliver your new typewriter. Please call me if you have any questions.

3 CRins

Cordially yours,

3 CRins

Paul Boler Sales Manager

Store

Playing Back a Form Letter

Sacrata and an analytic analytic and an analytic analytic and an analytic analyti

- Meke sure the STORE Indicator la turned off before beginning playbeck. If storage la open, verlable text will be stored with the form letter.
- 2. Hold down Play whils you type the number where the form letter is stored.
- 3. When pleybeck atops at e etop code, type the verieble informetion.
 - The Information you type prints on your pleyback copy only.
 Use the Correction key to correct errors while typing the veriable information.
- 4. Press End to continue playbeck.
- 5. Repeat steps 3 and 4 for each additionel stop code.
- 6. Repeat steps 2 through 4 for each additional letter.

Document Assembly

Document Asaembly is the process of combining storage areas to reuse text that her elready been stored. Combining jobs is a quick way to insert recurring text such as closing peregrephs, eddresses, and phreses into current jobs. Documents can be essembled on paper (in Character or Delay Print) or only on the display (in No Print). In No Print, the entire job is copied into an open storage area in Character or Delay Print, perta of a job can be copied into an open storage erea. Copying always starts at the beginning of the job.

Should the essembly require more atorage epace then le evelleble, the following message is displayed:

INSUFFICIENT TYPORTIER STORAGE, USE OUT TO DELETE STORAGE AREAS

Important: This typewriter has been designed so that, even if your jobs were stored with different mergins, they will ell pley beck with the same mergine during document assembly.

It your jobs were stored with different mergins and should be assembled with their etored mergins intect, use the Indent function es described in "Chenging Mergins and Tabs After Opening Storage" on page 3-9 to set temporary mergine during document assembly.

If the job you are copying was stored with indented mergine, make sure the assembled document plays back correctly.

Assembling Documents in No Print

Use No Print to copy an entire storage erea quickly into en existing atorage erea. You can elso use No Print to duplicate e storage erea before extensively reviaing it.

- Hold down Store while you type the number of the storege eree where you went to copy the job.
 - If the storege eree you have selected already contains text, the PLAY indicator is displayed.
- 2. Select No Print.
- Move the cursor to the point where you went to Insert the other job.
- Hold down Play while you press the number of the stored job that you ere copying. Release the keys.
 - The printwheel spins when the job is copied.
- 5. Close etorege.

Assembling Documents in Character and Delay Print

Perts of jobe cen be combined using Character or Deley Print. It the result is to be saved, open storage before beginning the essembly.

To assemble jobe, print the first job up to the point where the second job ahould stert. Begin pleying the second job, if you stop printing before the end of the second job, the SUSPND indicetor is displeyed to remind you that the pleybeck of two jobs has been stopped (suspended). At this point, you have four options:

- Type or correct text.
- Resume pleyback.
- Cancel pleyback. Cenceting the second job allows you to resume printing the tirst job.
- Begin pleying beck e third job. Playing a third job completely cencels printing of the second job. Cenceling the third job allows you to resume printing the first job.

Assembling in Character or Delay Print with Storage Open

Follow the steps below to save an assembled document,

- You may went to make e copy of your job before beginning document assembly.
- 2. Hold down Store while you type the number of the first job that you want to play back.
- 3. Select Delay Print or Charecter Print.
- 4. Preas End, I, or -- to etart pleyback.
- Press eny key to etop pleybeck of the first job near the point where you want to copy the other job, then press → or Code + to pley to that point.
- 6. Hold down Pley while you press the number of the second job.
 - The job pleye back from the beginning.
- Press any key to stop playbeck of the second job near the point where you went to copy enother job or continue playbeck of the first job, then press → or Code + → to play to that point.
 - The SUSPND Indicator comes on to remind you that the first and eacond jobs are suspended.
- 8. Do one of the following:
 - Press Play to cancel pleyback of the unprinted portion of the second job.
 - The SUSPND indicator is turned off.
 - Press End, ---, or I to continue pleying beck the eecond job.
 When the end of the second job is reached, playbeck etops and the SUSPND indicator is turned off.
 - Hold down Play while you type the number of a third job.
 - The third job pleys back from the beginning.
 - The unpleyed text of the second job is not included in the document you ere easembling.
 - The SUSPND Indicator is turned off.
- 9. Press End, →, or ‡ to continue playing beck the first job.
- 10. Press Store to close the atorege eree.

Assembling in Character or Delay Print with Storage Closed

Hold down Pley while you type the number of the first job that you want to play back, then continue with step 5 above. Do not press Store to open a storage area. Your assembled document will not be stored.

Practice

1222222

202022222

6-0

E-D

6-3

E-3

- 1: Insert a 12-pitch printwheel, then hold down Frmat while you prese 2 to use the format you saved on page 1-25 (LMer 12 RMar 55).
- 2. Store the peregraphs below in storage erea 80. If storege area 80 alreedy contains text, close the storage area and open another.

This is storage area 80, paragraph 1. After a job is stored, you can combine it with other jobs.

This is storage area 80, paragraph 2. To combine jobs, eimply use PLAY. When storage is open, the result of the combination will be saved.

3. Store the paragraphs below in storege area 81. If storage eres 81 already contains text, close the storage area and open another.

This is storage area \$1, paragraph 1. When the playback of two jobs has been stopped, the SUSPND indicator is displayed.

This is storage area 81, paragraph 2. Pressing any key stops playback. When playback is stopped, press END to resume playback. Press PLAY to cancel playback.

4. Store the paragraphs below in atorage aree \$2. If atorage area 82 alreedy contains text, close the storage eree end open another.

This is storage area 82, paragraph 1. When you stop playback of a job, you can type or correct text, resume playback, cancel playback, or begin playing a third job.

This is storage area 82, paragraph 1. Press PLAY plus a number to begin playing a third job.

5. Complete the exercises on pages 5-22 and 5-23.

Exercise 1: Combining Jobs with Storage Closed

- 1. Hold down Play while you type 80.
- 2. Press any kay to atop playback as soon as printing begins.
- 3. Use I to play paragraph 1 and the blank line following it. Do not play the first line of paragraph 2.
- 4. Hold down Play while you type 81.
- 5. Prass any key to stop playback as soon as printing begine.
 - The SUSPND Indicator is displayed.
- 8. Use I to play paragraph 1 and the blank line tollowing it. Do not play the first line of paragraph 2.
- 7. Hold down Play whils you type 82.
- 8. Praas any kay to atop playback as soon as printing begins.
 - The SUSPND Indicator la displayed.
- 9. Usa 1 to play paragreph 1 and the blank line following it. Do not play the first line of paragraph 2.
- 10. Prass Play to cancal further playback of storage area 82.
 - The SUSPND indicator is turned off.
- 11. Press End to reauma playback of storage area 80.

Exercise 2: Combining Jobs Into a New Storage Aras

- 1. Open storage area 85. If storage area 85 already contains laxt, close the atorage area and open another,
- 2. Copy storage area 80 into storage area 85 as follows:
 - a. Salect No Print.
 - b. Hold down Play while you type 86.
- 3. Prass Home to move to the baginning of atorage area 85.
- 4. Salect Character Print.
- Use I to play paragraph 1 and the blank line tollowing it. Do not play the first line of paragraph 2.
- Follow steps 4 through 10 of Exercise 1 to play back the first paragraph from storage areas 81 end 82.
- 7. Prass End to raaume playback of atorage area 85.
- 8. Closs the atorage area.

50000 --5-7

Exercise 3: Combining Jobs Into an Existing Storage Area

Follow these steps to copy the first paragraph of storage areas 81 and 82 into storage area 80. Since storage area 80 will be altered, you may want to copy storage area 80 into another storage area before doing the sxercise (See page 3-14 for more information).

- 1. Open storags area 80.
- 2. Use I to play paragraph 1 end the blank line following it. Do not play the first line of paragraph 2.
- 3. Follow staps 4 through 10 of Exercise 1 to play back the tirst parsgraph from atoraga areae 81 and 82.
- 4. Prass End to rasuma playback of atoraga area 80.
- 5. Close the storage area.

Helpful Hints

- Whan atoring various parts of a job in saparate areas, you may
 want to press CRtn twice at the and of each job. This allows one
 blank line between paragraphs stored saparately when they are
 played back in document essembly.
- You cannot copy a job into itaelt.
- It the STORAGE FULL massage appears, delete a job to clear space in storage for the job being copied.
- If the typewriter beaps when you try to copy the job:
 - You may be trying to copy a nonexistent job. Make sure a job is stored.
 - You may be trying to copy a job during Centering, Right Flush, or Dacimal Tabulation. Turn these functions off when assembling jobs.
- Whan jobs are suspended, the printed text can be corrected. It
 you move the carrier away from the point where you stopped
 playback, the typewriter will "relocate" to that point before continuing playback.

Using Mark for Preprinted Forms

The Mark function helps you autometically type preprinted forms. Typing forms is a two-step process: first, store a layout of the form using the Merk function; second, pley beck the form and fill in the blanks.

When storing the form layout, mark the form et eech point where text is inserted or needs to print. A merk (Code + Shift + M) identifies a point on the form to which the carrier should move.

See the sample form on the next pege:

- Each M shows where to type a mark. (The M does not actuelly print.) A mark eutomatically supplies e etop code. During playback the carrier moves to the mark and stops for you to type verlable information. Verlable information is text that changes for each form and is not stored with the job.
- Eech MC shows where to type e merk. Press the Correction key one time to erase the supplied stop code. After you erase the stop code, type constent information. Constent information le text that is the seme for each form and is stored with the job. The typewriter prints the constant information at these locations (eech you type and when you play beck the form.



Sample Preprinted Form

Newspaper Subscription Service

Contributors List

	M.f.	Last Name		Contribution Amt.
	M	М		М
	-			Date of Contribution
	State M		Zip M	10 Number M
	:	h		
Accounting Publishing Direct Mail	:			
	Accounting	State M: Accounting Publishing Direct Meil	State M State M Accounting Publishing Direct Meil	State M State M Accounting Publishing Direct McII

Route Manager

MC

Newspaper

Storing a Form Layout

- 1. Insert a blenk form using the Paper Bell Loed Lever.
- 2. Set the left mergin et the left edge of the pepar.
- Hold down Store while you press the number of the storege area
 you went to open.
- 4. Select Cherecter Print. Cheracter Print allowe you to move the cerrier to the exect typing location on the form.
- 5. Turn the ARTN indicator off.
- 6. Type the form leyout es follows:
 - Move the cerrier to the first point on the form where verieble or constant information needs to print. Use eny of the foilowing keys:
 - Peper movement keys (Paper Up, Paper Down, Code + Peper Up, end Code + Peper Down).
 - · CRtn.
 - Specebar, Tsb, Beckspece, or Code + Backspace.
 - At each point where verieble information is to appear, hold down both Code end Shift while you press M.
 - The following symbole ere displayed et tha mark point.
 The symbols do not print on your paper.



- If you went to edd e stop code comment at the mark point, hold down Code while you press 9, type the stop code comment, then hold down Code while you press 9 egein. The stop code you typed replecee the one supplied by the Merk function, but does not erese the merk.
- c. At each point where constent information is to appear, hold down both Code and Shift while you press M. Then press the Correction key one time and type the constant information.
 - When you prece the Correction key, the supplied stop code is eresed. During playback, the typewriter will print the constant information without stopping.
- 7. Repeat step 6 for each merk point until you finish the form.
- 6. Press Store to close storege when you finish typing the form leyout.

Helpful Hints

C-3

- Merks do not heve to be inserted in any perticular order: For exemple, you may move the paper down to a previous line and insert a mark. However, the marks will play back in the order they were entered.
- Merk eymbole do not print on your paper.
- Merks cennot be used when the DEC T, CENTER, or RFLUSH Indicetors ere displayed.
- If you forget to type e merk while typing e form layout:
 - Erese beck to where the mark should be end type it; or
 - Use peper movement keys to move to the point where the merk should be and enter it; or
 - Complete the form, then revise it. See "Correcting the Form Leyout" on page 5-26 for more information.
- If you type e mark by mistake, press Correction two times to erese it.

Playing Back the Form Layout

- 1. Insert a bienk form using the Peper Sail Load Lever.
- 2. Set your left mergin et the left edge of the paper.
- 3. Use the Peper Up, Paper Down, 1, or 1 keys to position the carrier on the first line of the form, then hold down Code while you puil the Peper Bell Load Lever forward to set a new top mergin. Push the Peper Bell Load Lever back to the closed position and relesse the Code key.
- 4. Turn the ARTN indicetor off.
- Meka eure the STORE indicator is turned off before beginning pleyback or verieble information will be stored with the form.
- Hold down Piay while you press the number of the storage area where you stored the layout.
 - The typewriter begins pleying back the leyout.
- When the typewriter stops, type the varieble text to fill in the form.
 - If you make a mistake, use the Correction key to correct it.
- 8. The typewriter prints the constant information without stopping.
 - If the typewriter stops et the constent information, you did not erase the stop code when you stored the form leyout.
- 9. Press End to continue playbeck.
- 10. Repect steps 7 through 9 until you finish pieying back the form.

Heipfui Hints

- Beceuse you are playing back the formet with storage closed, the variable information is not atored with the form leyout.
- The correction memory is cleered each time you type or play a merk.

Correcting the Form Layout

- Hold down Store while you press the number of the storage aree where you stored the leyout.
 - The STORE indicator is displayed.
 - The PLAY indicator is displayed.
 - The following symbols are displeyed et eech merk point:



- Use → to play to the point where you want to add or delete e merk.
 - Hold down both Code and Shift while you press M to add a merk.
 - Press the Correction key once to delete only the atop code.
 - Press the Correction key twice to delete the stop code end the merk.
- 3. Close the storage eree,

Practice

Make a copy of the sample form on page 5-26, or use a form from your business or home. Follow the steps on pages 5-26 end 5-27 to practice storing and playing back the layout.

Required Page Ends

Multipege jobs cen be stored in e single storege erea. As you store the job, use the Required Page End function after short pages such as title pages, teble of contents pages, and cover letters. You can elso use required page ends between the pages of multipage forms.

Typing a Raquired Page End

Hold down Code white you press E (PgEnd) et the end of eech page.

Playing Back a Job that Contains a Required Page End

During pleybeck, the typewriter stops at the required pege end and the END OF PAGE REACHED message is displayed,

- 1. Use the Paper Release Lever to remove peper.
- 2. Use the Paper Ball Load Lever to Incert paper.
- 3. Once peper is inserted, press End to continue pleyback.

Using Auto Page End and Required Page End

Use Required Pege End after ehort peges. When you pley back e job with Auto Page End turned on, peges will and et a required page end. If there is no required page end, pages will end according to the Pege-Layout settings. For more information, see "Page-Leyout" on pege 4-10.

Alternate Keyboards

Reed this chepter only if you have a printwheel for other lenguages, ASCII (PC), or Latin Supplemental ISO.

Your typewriter has primery end elternate keyboards. You have already been using your primery keyboard.

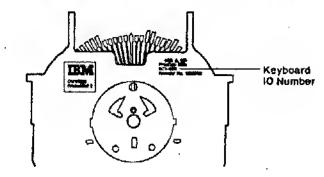
- The primary keyboard allows you to type in your own Isnguage.
 Your typewriter eutometically sets your primery keyboard to metch the keybuttons on your typewriter.
- Alternete keyboerds, when used with the eppropriate printwheels, allow you to type in other isnguages auch ea French end Spenish, or ASCII (PC) and Letin Supplementel ISO.

Matching Printwheels and Keyboards

Each printwheel for elternate keyboards contains charecters other than those printed on your typewriter keybuttons. You can eccess characters of en alternats keyboard by typing a keyboard change called a keyboard identification (ID) number.

The keyboard ID is printed on all printwheels. When more then one set of numbers is shown, the first number is the keyboard ID; for exempls: 001-008. The keyboard ID for the United States is 001 or 1. Look at the example below.

See the list on page 6-3 for elternete keyboard ID numbers.



Using Alternate Keyboards

- Select a kayboard and keyboard ID number for a country or apaclal application from the cherts on pages 6-4 through 6-10.
- 2. Insert the country or special application printwhael.
 - The ID number on the keyboard list should metch the number on the printwheel.
- 3. Hold down Code while you press L (Lang) and type the keyboard ID; for example: Codo + L + 251.
 - Tha KYBD Indicator comes on, followed by the keyboard tD you have chosen.
 - The kayboard is changed to the alternate kayboard.
- 4. Find the keyboard chart that matches your keyboard ID end use it to locate the character you went to type.
- Whan you finish typing in the alternate keyboard, hold down Code while you prese L (Lang).
 - Tha KYBD Indicetor goas off.
 - · Tha kayboard returns to the primary keyboard.
- Ramova tha country or spacial application printwheel and install the 001 primery printwheel.

Note: Hold down Code while you prass L to gain access to your escondary keyboard (Latin Supptemental ISO).

Helpful Hints

- Many alternate keyboards contain accant marks that are dead keys that print without advancing the carrier to the next epece. To type eccent merks over alphabetic cherecters:
 - 1. Typa tha accent merk first.
 - The carrier will not edvance to the next spece.
 - 2. Typa tha alphabatic charactar.
- The altarnate keyboard charts show some keybuttons with special characters. Sas "Special Characters" on page 2-11.
- The alterneta kayboard is savad whan you turn tha typewriter off.
- Tha typawritar stops automatically for keyboard changes during playback. Rafer to "Pleyback Rulas" on page 3-26 when playing back e job with e kayboard changa.

Keyboard Alphabetic Cross-Reference

Kayboard Name :	1D Number	Page
ASCII (PC)2	103	8-8
Austrella	1	8-4
Austrie	29	6-4
Betglum	261	6-10
Brazil	61	5-7
Canada (Bilingual) .	39	6-6
Canada (English)	1	8-4
Denmerk	59	6-6
Finland	53	6-6
France	251	6-10
Germany (PC)2	249	6-10
Dermany (West)	29	8-4
Greeca (Greek)	219 ·	8-9
Oresce (Latin)	207	6-9
Hong Kong	119	6-9
Italy .	41	8-5
Italy (PC)2	247	6-10
Japan (English) :	69	6-7
Letin America	25	8-4
Latin Supplemental ISO1	D0	6-6
Netherlands	43	8- 5
New Zealand	1	8-4
Norway	56	6-6
Portugel	63	6-7
South Africa	81	6-6
Spain	70	6-6
Sweden .	53	6-6
Switzerland (French)	49	6-6
Switzerland (German)	51	6-6
Turkey	79	6-8
United Kingdom .	67	6-7
United Kingdom (PC)2	252	6-10
United Blates .	1	6-4

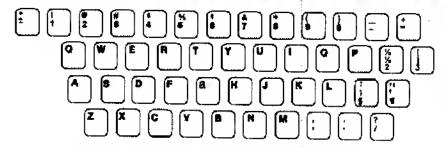
¹ Special application keyboard chart.

² Personal computer keyboards charts.

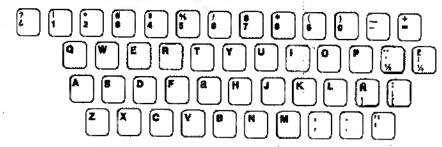
Keyboard Charts

The following keyboard charts show the keyboard ID numbers and the character locations. The charts are arranged numerically.

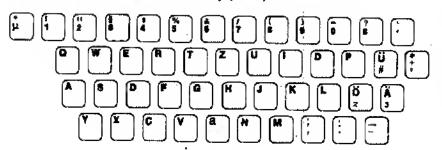
Keyboard ID 1 - Australia, Canada (English), New Zaaland, United States



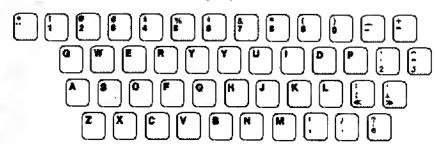
Keyboard ID 25 - Latin America



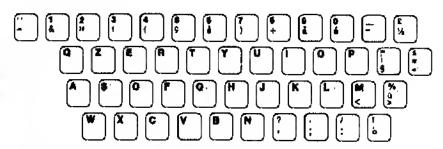
Keyboard ID 29 - Austria, Garmany (West)



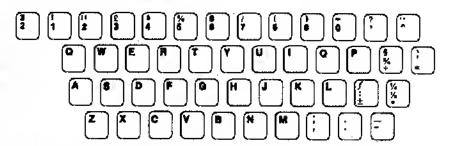
Keyboard ID 39 -- Canada (Bilingual)



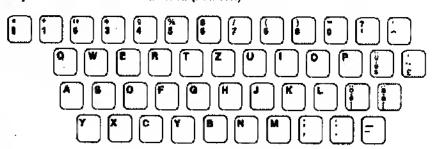
Keyboard ID 41 - Italy



Keyboard ID 43 - Netherlands



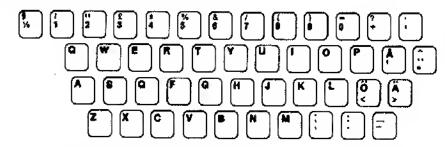
Keyboard ID 49 - Switzerland (French)



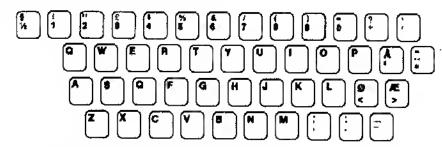
Keyboard ID 51 — Switzerland (German)



Keyboard ID 53 - Finland, Sweden



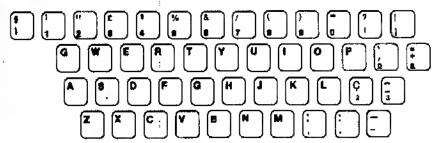
Keyboard ID 55 - Norway



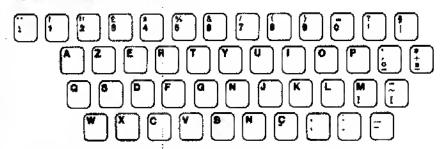
Keyboard ID 59 - Denmark



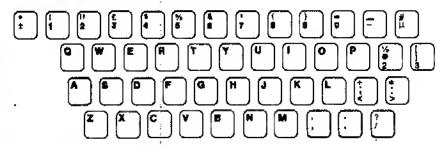
Keyboard ID 61 - Brazil



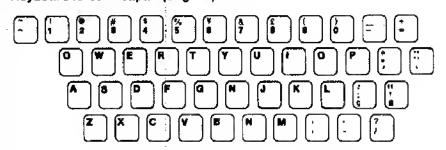
Keyboard ID 63 - Portugal



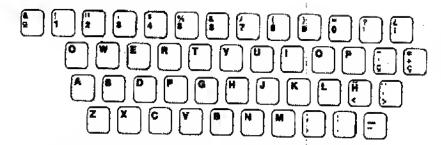
Keyboard ID 67 - United Kingdom



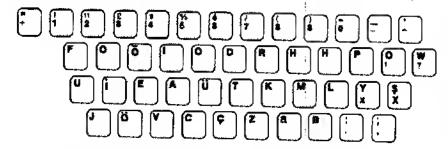
Keyboard ID 69 - Japan (English)



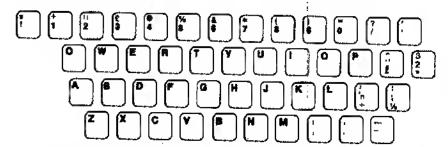
Keyboard ID 70 - Spain



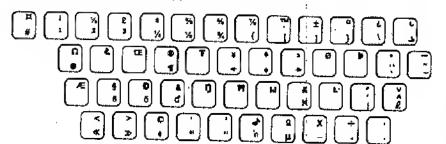
Keyboard ID 79 - Turkey



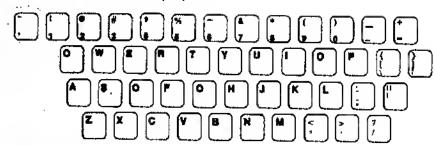
Keyboard ID 81 - South Africa



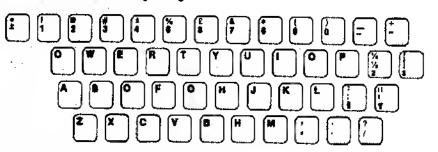
Keyboard ID 99 -- Letin Supplementel ISO



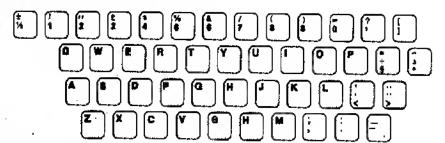
Keyboard ID 103 — ASCII (PC)



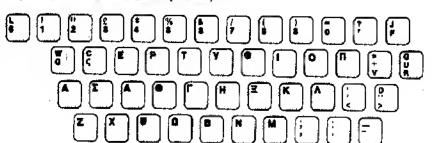
Keyboard ID 119 - Hong Kong



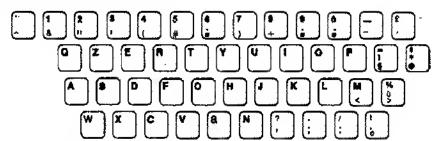
Keyboard ID 207 - Greece (Latin)



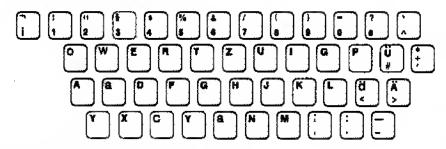
Keyboard ID 219 - Greece (Greek)



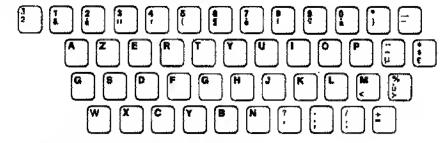
Kayboard ID 247 - Italy (PC)



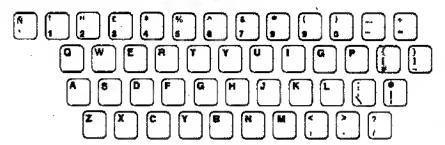
Kayboard ID 249 - Garmany (PC)



Kayboard ID 251 - Balgium, Franca



Keyboard ID 252 - United Kingdom (PC)



Reference

Use this chaptar to laarn how to:

- · Order IBM supplies for the typewriter.
- Ramova and Install the ribbon and printwheal in the typewriter.
- Changa batterlas.
- Take cera of your typewritar.

This chapter also contains recommendations for ribbons and printwheels for various applications.

Ordering Procedures for IBM Supplies

To order IBM supplies, contact an IBM Authorized Dealar or call IBM Direct at 1-800-IBM-2468. In Canada, call IBM Direct at 1-800-465-1234.

Typestyle Samples

The IBM Cartridge Printwheel II is designed for use with IBM Wheelwriter® Typewriters and IBM Wheelprinters. The protective cartridge makes installation easy and protects the printwheel from damage. The wide variety of typeatyles and sizes allowe you to select one for readability, emphasie, or space requirements to make your work look the way you went.

The order number which follows each typestyle name is for the American Standard Character Sat. Parsonal computer, foreign language, and symbol character sets are also available.

▲ = 10 pltch

△ = 12 pltch

= 15 pltch

= proportional spacing

Note: Because of the differences between printed and typewritten impressione, the typestyle samples on the following pages should be used only as a guide.

Typestyle Samples and Pitches

10 Pitch

Advocate 1353845		•		attractive	
▲ Artisan 10 1353520				attractiva	
▲ Bookface Academic 1353844		•		attractive	
▲ Courier 10 1353511		_		attractive	-
▲ Delegate 1353849	'IBM's	variety	of	attractive	type
▲ Menifold 1353846	IBM'S	VARIETY	OF	ATTRACTIVE	TYPE
▲ OCR-A 1353248	IBM's	variety	of	attractive	type
▲ OCR-8 1353247	IBM's	variety	of	attractive:	type
▲ Pice 1953829	IBM's	variety	of	attractive	type
▲ Presentor 1353015	IBM's	variety	of	attractive	type
▲ Prestige Pica 1353503	IBM's	variety	ο£	attractive	type
▲ P&P #3 OCR 1353054	"IBM's	variety	of	attractive	type
▲ Rhetoric 1353738	IBM's			ATTRACTIVE	
▲ 1403 OCR 1353075	"IBM'S	VARIETY	0F	ATTRACTIVE	TYPE

12 Pitch

△ Adjutant	TIBM's	variety	o£	attractive	typestyles	suit 🐷
△ Artisan 12 1353060				attractive		
△ Auto Etite 1353080				attractive		
△ Courier 12 1353523				attractive		
△ Courier 12 Italic 1353890				attractive		
△ Dual Gethic 1353055	I BM¹ 5	variety	of	attractive	typestyles	suit 🗲

	2.3		
	3	12 Pitch (continue	d)
type	6-3	Δεirte	"IBM's variety of attractive typestyles suit
type	3	1353861 △ Large Elite	"IBM's variety of attractive typestyles suit
type		1353017 △ Letter Gothic	"IBM's variety of attractive typestyles suit
type	6-3	1353514 △ Light Itelic	-IBM's variety of attractive typestyles suit
type	- 3	1353764 △ Cide World	18%'s variety of attractive typestyles suit
TYPE	-3	1353875 △ Prestige Elife	-IBM's variety of attractive typestyles suit
type	5-3	1353502 △ Scribe	"IBM's variety of attractive typestyles suit
type		1353982 △ Script	—IBM's variety of attractive typestyles suit
type		1353776	
type	6-3	15 Pitch	"IBM's variety of attractive typestyles suit many
type	5-3	Courier 15 1353796	"IBM's variety of attractive typestyles suit many
type	-3	Gethic 15 1353719	TIBM's variety of attractive typestyles suit many
TYPE		Prestige 15 1353655	
TYPE		Proportional Spa	cing
	6-3	● Soldface * 1353504	TIBM's vsriety of attractive typestyles suit
	5-3	Boldface fielic 1353059	TIBM's variety of attractive typestyles suit
styles	suit -	● Essay 1353526	TIBM's variety of attractive typestyles suit
styles	suit 📻	• Easey Itelic * 1353130	TIBM's variety of attractive typestyles suit
styles	suit	• Modern * 1353517	TIBM's variety of attractive typestyles suit
styles	suit	• Theele * 1353953	TIBM's variety of sttractive typestyles suit TIBM's variety of attractive typestyles suit
styles	suit	● Title 1353952	
styles	suit	* For use on type	awritars and printars with proportional spacing.
	F-3	1	
	F-3	•	
	F-3		Reference 7-3

Courier 15	IBM's variety of attractive typestyles suit many
1353796 Gethic 15 1353719	IBM's variety of attrective typestyles suit many
Prestige 15	IBM's variety of attractive typestyles suit many

Proportional Spacing

● Soldlace * 1353504	-IBM's	vsriety	of	attractive	typestyles	suit
Boldface fielic 1353059	TIBM's	variety	of	attractive	typestyles	suit
● Essay * 1353526		_			typestyles	
1353130		,			typestyles	
• Modern * 1353517		•			typestyle s	
• Theele * 1353953		•			typestyles	
• Title 1353952	-IBM's	variety	of	attractive	typestyles	suit

^{*} For use on typawritars and printars with proportional spacing.

Printwheel Application Recommendations

Typostyla	1-3 Carbon Copies	3-6 Carbon Copies	Stenctie	Bold Print
10 Plich:				
Advocate	Α		Α	C
Artisen 10	A	Α	A	A
Bookface Academic	8	C	8	Α
Courier 10	A	A	8	A
Delagate	A	Α	В	В
Menifold	A	A	8	A
Pica	A	A	A	С
Prestige Pics	٨	8	8	۸
Ahetoric	8	С	8	A
Rhetoric Presentor	В	С	8	٨
Symbol 10	В	С	С	В
12 Pitch:				
Adjutant	A	A	В	В
Artisan 12	Α	A	В	A
Auto Elite	A	Α	A	A
Courier 12	Α	Α	В	A .
Courler 12 Italic	٨	۸	8	A
Dual Gothic	A	В	В	С
Elite	Α	A	A	С
Large Elite	A	A	A	С
Lettar Gothic	^	A	В	A
Light Italic	A	A	Α	В
Olde World	A	С	NR	٨
Prestige Elite	A	В	^	
Scribe	Α	A	Α	B
Script	8	C	C	A
Symbol 12	С	С	С	В

Ratings:

A~Good: B=Felr; C~Marginal; NR~Not Recommended
(Bassd on proper selection of ribbon, carbon paper, and stancila)

Typastyle	1-3 Carbon Copies	3-5 Carbon Copies	Stencils	Bold Print
15 Pitch:				
Courier 15	A :	8	B	A
Gethic 15	В.	С	В	A
Prastige 15	Α :	В	A	c
Symbol 15	C	Ç	С	В
PS Pitch:				
Boldface	8 :	C	8	A
Boldface Italic	В	С	В	А
Essay	A	В	В	A
Essay Italic	A	В	8	A
Modern	Α;	В	В	A
Thesis	A	8	8	A
Title	Α	В	В	A

Ratings:

A-Good; B-Fair; C-Marginal

(Based on proper aslection of ribbon, carbon papar, and stancila)

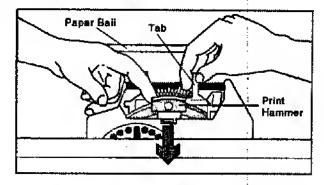
Note: There are 3 symbol printwheels: Symbol 10, Symbol 12, and Symbol 15. For best results, use a symbol printwheel that metches the plich of your regular printwheel. For example, use Symbol 15 with 15-pitch typestyles.

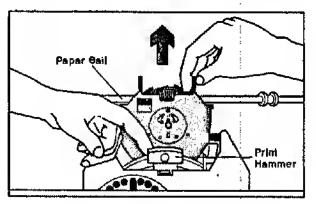
Removing the Printwheel

CAUTION

To prevent unwanted cerrier motion, make sure the paper ball is against the platen.

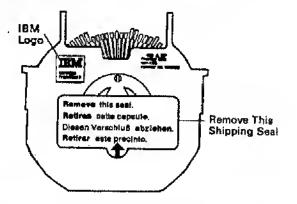
- 1. Pull the print hammer ell the wey toward you end hold it.
- 2. While you ere holding the print hemmer, greep the printwheel teb.
- Lift the printwheel straight up and out of the slot. Be cereful not to scretch the ribbon.
- 4. Release the print hemmer.





Installing the Printwheel

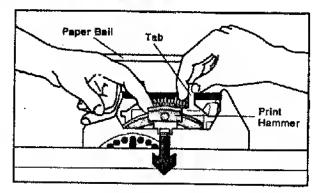
Important: Remove the yellow shipping seel from the center of e new printwheel before you instell it.



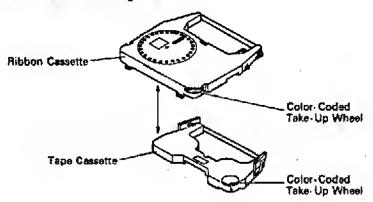
CAUTION

To prevent unwanted carrier motion, make sure the paper ball is against the platen.

- Hold the printwheel so the letters IBM ere in the upper left corner.
- 2. Pull the print hemmer all the way towerd you and hold it.
- 3. While you ere holding the print hemmer, tower the printwheel into the elot. Be caratul not to scretch the ribbon.
- After the printwheel touches the bottom of the slot, release the print hammer.
- Prese the Code key.
 - The printwheel spins.



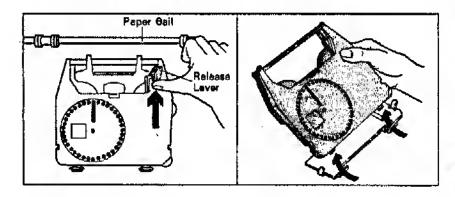
Ribbon Cassette System



The ribbon and tape cassettes festen together. Each type of ribbon end tepe cassette has a color-coded teke-up wheel. In most cessa, the wheel color helps you metch the ribbon to the correction tepe. (See "Ribbon Cessette Reorder Numbers" on page 7-11.) The color else talls you which type of ribbon you are using.

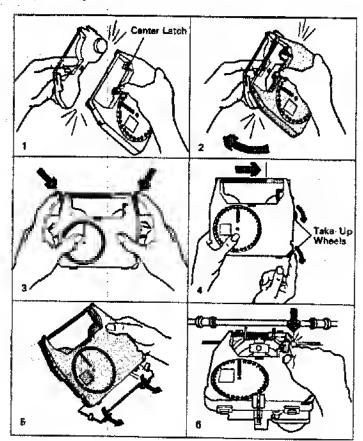
Removing the Cassettes

- 1. Spece or teb to the center of your typewriter.
- 2. Reise the typewriter cover.
- 3. Make sure the peper ball is against the pleten,
- 4. Push the release lever until the cesssttss release.
- 5. Lift the cessettes up end out of the typewriter.



Instailing the Cassettes

- After you remove the cessettes from your typewriter, press on the top of the center latch, slide the cassettes epert end throw swey the used cassette.
- 2. Slide the ribbon cassette onto the tape cassette.
 - Be sure the center letch istches onto the correction tape.
- Press the gray tabs (on both ends of the correction tepe) to be sure the tape and ribbon cessettes are latched together.
- 4. Before Inetelling the ribbon in the typewriter, tighten eny sisck in the ribbon by turning the teke-up wheels to move the color-coded leeders past the center.
- Install the cassettes in your typewriter.
- Push down on the upper right corner of the ribbon cassette to snep it into piece.



Ribbon Application Recommendations

Typing Applications	Multi- purpose Ribbon Cassatte	High Yield Correctable Ribbon Cassotte	Fabric Ribbon Cassatte	Superior Write Correctable Ribbon Cessatte
Legal Corraspondence	•	• .	NR	•
Executive Correspondance	•	• .	NA	•
General Correspondence	•	•	•	•
Herd-to-Image Originels1	•	NR .	•	•
OCA	•	NR :	NA	NR
Speech Writing ²	•	NR :	•	•
Nagotlable instruments — (checks, stocks, end so on)	•	NA :	•	NR
Erasable Bond ¹	•	NR :	NA	•
Quality of Original				
1 - 3 Carbons	Good	Good	Good	Good
3 - 5 Carbona	Feir	Merginal	Fair	Fair

Recommanded

NR = Not Recommanded

Ribbon Cassette Reorder Numbers

. Use the table below to find the reorder number for the matching cassettes you need.

Ribbon	Take-Up Wheel Color	Correction Tope	Teke-Up Wheel Color
IBM Ensystrike ® High Yield Correctable Ribbon Cassettes Rearder Number: 1299845 (black only)	Orenge	IBM Ensystrike® Lift-Off Tape Cassette Reorder Number; 1337785	Orange
IBM Exaystrike® Correctable Ribbon Cassette Reorder Numbers: 1337761 (black) 1337762 (brown) 1337763 (blue)	Orange	IBM Eesystrike® Lift-Off Tape Cassetto Rsorder Number: 1337785	Orange
IBM Essystrika © Superior Write Correctable Ribbon Cessette4 Reorder Number: 1380999 (black only)	Purple	IBM Easystrike® Lift-Off Tape Cessette Reorder Number: 1337765	Orange
IBM Easystrike® Mufti- purpose Ribbon Cassatte Reorder Number: 1337764 (bleck only)	Blue	IBM Easystrike ® Cover-Up Tape Cassette Reorder Number: 1837766	Biue
IBM Easystrike® Pabric Ribbon Cessetts Reorder Number; 1356000 (black only)	Red	None	None

¹ The receptivity of the surface of these materials varies widaly, and care must be used in the selection of a specific material to be typad on, typestyle, impression control, and ribbon to produce the best result. The tBM Easystrike® Superior Write Correctable Ribbon is recommended for most hard-to-image applications. However, there are some specially costed or treated surfaces where the multipurpose ribbon must be used. When in doubt, prepers samples first.

² Best results with Rhistoric and other large typestyle printwheele are obtained by using the IBM Easystrike® Multipurpose Ribbon.

^{\$} Long-life correctable film ribbon; recommanded for general correspondence.

⁴ Recommended for boid and dark print, especially on difficult-to-image papers.

Batteries

important: Do not turn the typewriter off while replecing battaries. If you do, mergina and stored jobs will be loct.

Your typewriter uses three size AA eikeline batteries. These bettsries ers used to aava atored jobs, mergins, tabs, end other aettings when the typewriter is turned off. They must be instelled correctly and changed at least once every year (before they run down).

The following settings are saved when you turn the typewriter off if you have properly charged batteries instelled:

- Top Margin
- Active Formet Arae
- Line Space Setting
- Automatic Carrier Return On or Off
- Hyphanation On or Off
- Juatification On or Off
- Active Keyboard
- Active Print Mode
- Auto Pege End On or Off
- Teb Adjuat On or Off
- Kayboerd Clicker On or Off
- Page-Leyout Sattings

When changing the betteries, use only size AA elkaline battsries (for exempla, Durecell⁵ type MN 1500, Evaraady⁶ type E91, Rey-O-Vec⁷ type 815, or equivelent). Do not use rechargeable batteries.

- 5 Trademerk of Durecell, Inc.
- Trademerk of the Union Carbide Corp.
- 7 Trademark of the Ray-O-Vac Corp.

Checking the Batteries

6-3

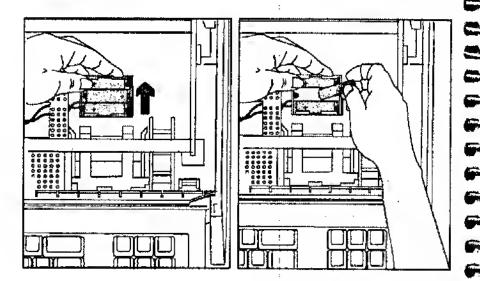
If the beeper eignete three times and the LO-BAT indicetor is displayed when you turn the typewriter on, check the following while the typewriter is on:

- 1. Look at the betteries for correct installation.
- If the betterles ere instelled correctly, the betterlee may be weak or deed.
- Replace ell three weak or deed betteries.
- 4. Do not turn the typewriter off while replecing the old battaries. If you turn the typewriter off without betteries installed, mergins and stored jobs will be lost. (See page 7-15 for correct instelletion.)

Removing Old Batteries

Warning: Do not turn the typewriter off while replacing the old betteries. If you turn the typewriter off without betteries installed, margins and stored jobs will be lost.

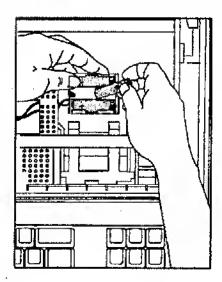
- 1. Make aura the typewriter is turned on:
- 2. Raise the typewriter cover.
- Locate the black plastic bettery holder on the right front side of the typewriter.
- Remove the holder by putting your fingar under it and pushing up.
 Then carefully pull the holder out es fer as it can go.
- 5. Push the betteries egainst the apring ends of the holder end pop them out.

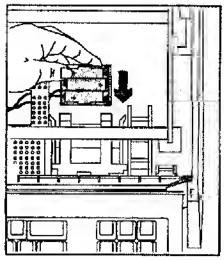


Instailing New Batteries

- Install three (3) new batteries in the holder by placing the flat and
 of the betteries egainst the springs.
 - Make sure the plus (+) aigns on the batteries match the plus signs inside the holder.
- 2. Place the battery holder back into the typawritar.

Note: The battaries will not save margins, atored jobs, and other sattings unless the plue sign on each battery matches the plue algo inside the holder.



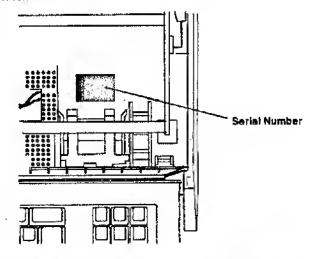


Care and Maintenance

Cleaning the Typewriter Cover

important: Use only a demp cloth end mild detergent to cleen the typewriter cover end keybuttone. Certein cleening fluids may be hermful. Do not use IBM cleening fluid.

Serial Number



To locate the serial number on your typewriter, relse the typewriter cover and look on the right of the Ineide bottom cover. The serial number (S/N) is shown on the voltage tabel behind the batteries.

Problem Determination

How to Use This Chapter

This chapter describes problems or questions you may have while using your typewriter, if a problem occurs while using the typewriter, refer to this chapter for help. You may be able to correct the problem yourself, saving service costs and evolding unnecessary downtime.

Before you call for service:

- 1. Find the problem in the following index.
- 2. Turn to the pege referenced.
- Complete as meny steps es needed to correct the problem. Do not ettempt any disessembly beyond the instructions given. For assistance, cell your IBM Authorized Dealer.

Problem Determination Index

Typewriter Problems	8-3
Displey Problems	8-3
Erase Problems	8-3
Corraction Kay Doea Not Erase All of the Character or	
Correction Lesvaa Shadowa	
Printwheal Spins instead of Eresing	8-3
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Display Indicators	
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Spelling Function Messages	
Diskette Option Messages	8-18

Typewriter Problems

Display Problems

- 1. Turn the contrast knob on the side of the display.
- 2. Tilt tha display to adjust it to the lighting conditions in the room. See page 1-4 If you need help.
- 3. Make sure the displey connections ere not loose.
- 4. If the displey is etteched correctly, turn the typewriter off. Welt 30 accords, than turn the typewriter on egein.

Erase Problems

Correction Key Does Not Erase Ail of the Character or Correction Leaves Shedows

- 1. Make sure the ribbon and correction tope cassettes are fastened together correctly.
 - Meke sure the center latch le latched accuraly. (Sae "Installing the Cassettes" on page 7-9.)
 - Make sure the gray taba are pressad in.
- 2. Make eure the correction teps matches the ribbon. Make sure the ribbon and correction tope cassettes are installed in the typewriter corractly.
- 3. Try a lighter impression aetting.
- 4. Try e new correction tepe and typa any charactar to raaat tha correction eystem.
- Try plein bond papar.
- 8. Look for folds in the paper.
- Meke eure the typewriter le on a level surfece.
- Mske sure you ere using the aame printwheel for both typing and erasing.
- g. Make sure the Bold function is on if you are eresing bold charactere.

Printwheel Spins Instead of Erasing

The charecter is outside the correction memory and must be arased manuelly. See "Erasing Manuelly in 10, 12, and 15 Pitch" on page 1-29.

(eyboard Problems

Keyboard Locked, Displey Blank

- 1. Turn the typewriter off,
- 2. Weit et leest 30 seconds, then turn the typewriter beck on.

No Clicking Sound

The keyboard clicker may be turned off.

- 1. Hold down Code while you press 8.
- 2. Try typing and liatan for the clickar.

sper Problems

Paper Not Loading

- Meke aura tha papar release levar is pughad all tha way back.
- 2. Meke sure e printwheel is instelled.

Print Quality Problems

Characters Do Not Print

- Make sure you are using the correct pitch or language.
- 2. Make aura the ribbon is installed correctly.
- Make sure the printwheel is installed correctly.
 - Look at the printwheel for broken parts.
- 4. Try e new ribbon.
- 5. Make aure the platen is latched down at both ands.
 - Pull the peper release lever all the wey toward you.
 - Push down Ilrmly on each end of the platen. Then push the peper release lever all the wey back.
- 6. Try a new printwheel.

Characters Print Too Lightly

- Make sure the ribbon is installed correctly.
- Look for folds in the ribbon.
- 3. Change the impression control. See "Impression Control" on pege 1-15 for more information.
- 4. Look for folds in the peper.
- 5. Try a naw ribbon.

C-3

C--3

6-3

F----

F----3

F-3

C 3

E---3

- 6. Try plein bond peper.
- 7. Try a naw printwhael.

Characters Unclass

- 1. If excess link particles from the ribbon appear on the paper, try a lower impression control setting.
- 2. Try e new printwheel.
- Try a new ribbon.

Typing Problems

Typewriter Operates Hot

- 1. Meke sure nothing is blocking the top, reer, or bottom typewriter vents.
- 2. Make sure the typewriter is at least 75 mm (3 in) from the wall on
- 3. Meke aure tha typawriter is not near a heatar,

Typawritar Too Nolay

- 1. Make sure the cover and soundhood, if you have a soundhood, are closed tightly.
- 2. Move eny objects touching the typewriter cover.
- 3. Look for objects in the typawriter,
- 4. Remove any material placed under the typewriter.
- 5. Chack the typing table or deak. Metal tebles cen make the typewriter sound noisy.

Line Specing Aligne incorrectly

- Look for objects inside the typewriter;
- 2. Look et the numbar of cerbon copies being used (five maximum).
- 3. Make sure the paper release lever is pushed all the way back.

Peper Feeds Incorrectly

- 1. Check the number of cerbon copies being used (five meximum).
- When inserting loose carbon copies, pull the paper ralease lever forwerd; insert the copies; then push the lever ell the wey back.
- 3. Look for labala or peper cought under the pleten.
- 4. Make ours the paper release lever is pushed all the way back.
- 5. Make sure the pleten is letched down at both ends.
 - Pull the peper release lever all the way toward you.
 - Push down firmly on each end of the pleten. Then push the paper release lever ell the way back.
- If you change the paper belt load lever setting at any time, make sure it is checked before feeding paper. See "Changing the Top Mergin" on page 2-22.

Wrong Cherecters Print or Cherecters Space incorrectly

- Turn the typawriter off, wait 30 aeconds, then turn the typawriter on egain end try typing egein.
- 2. Meke sure the LANG indicator is off.
- 3. Try e new printwheel.
- 4. Look for objects in the peth of the carrier.
- Make sure the printwheet is changed when there is a lenguage change.
- If you are playing back, make sure you use the same pitch printwheel you used when you typed the text.

Carrier Stops Before Reaching Left Mergin

The cerrier probably cought on something when returning to the left margin.

- 1. Turn the typewriter off.
- 2. Look for objects in the path of the cerriar.
- 3. Remove the object from the typewriter.
- 4. Turn tha typewriter beck on.

Spelling Function Problems

F-3

-3

C_3

C ___

G-3

F-----

6-3

Spelling Function Doae Not Work

If the Spelling function does not work, it might be caused by one of the following:

- The function is off.
- Another function is ective on the typewriter which prevente the Spelling function from being used (for exemple, the Printer Option).
- You did not end the word with e word ending (spece, punctuetion, and so on).
- You ere trying to edd a word that is elreedy in one of the dictionaries.
- You ere trying to delete e word from the mein dictionery.

Diskette Option Problems

Diskette Functione Do Not Work

- Turn the typewriter off, welt 30 seconds, then turn the typewriter on egein.
- 2. Try the diskette operation agein.
- 3. If errors continue, make eure the diskette hea been prepared.
- 4. Try a different diskette that has been prepered.

Messages and Error Codes with Beep Signals

If your typewriter falls to operate properly, an error code or message may be dieplayed. The typewriter beeps several times when an error code appeare. The following table liets error codes and meesages end tells you what to do when they eppear.

Error Gode	Condition	Action
END OF RIGBON, 3 beaps	End of ribbon	(Sensor-equipped machines only.) 1. Ramove the ribbon and instell e new one. (Sae Chapter 6 for help.) 2. Resume typing or playback. 3. If the message recurs, check that the ribbon is good and that it is properly instelled. 4. Resume typing or playback. 5. If the message recurs, call your euthorized service representative.
LO BAT, 3 baaps	Low batterles	1. Meks aura the betteries are not corroded. 2. Maks sure the betteries ere installed correctly. 3. Replace the betteries, For instructions, see Chapter 6. Note: You should replace betteries es quickly as poseible. If the betteries run down and you turn the typewriter off, everything stored is arssed.
STORAGE CLEARED, LO-SAT, 3 beeps	Storage cleared; bad batteries	1. Replece the batteries. 2. Turn the typewriter off. 3. Weit 30 seconde, then turn the typewriter on again. 4. If the errors recur, call your authorized service representative.
OUT OF PAPER, 3 beeps	Out of paper	(8ensor-equipped mechines only.) insert a new sheet of paper, than continue typing.
011, 6 beeps	Storage eltered	Jobs stored may have been altered. 1. Press any key. The STORAGE CLEARED massage is displayed. 2. Type one line of text into a storage area. 3. Turn the typewriter off. 4. Wait 30 eaconds, then turn the typewriter on egain. 5. It the error recurs, or stored text was cleared, cell your authorized service representative.

Error Code	Condition	Action
Spelling beep sounded three times when you turned the typewriter on	Supplemental dictionary arror	The supplemental dictionary has been erased from memory, it you eelected a spelling beep tone, it has been reset to the default value and must be selected again.
101, 6 beeps	Program arror	Contact your authorized sarvice rapresentative.
121, 6 beepe	Unsupported keyboerd	The keyboard that you ere using is not supported by your typewriter, or the kayboard is defactive. 1. Make eure you ere using the primery keyboard. 2. Turn the typewriter off. 3. Wait 30 eeconds, then turn the typewriter on: 4. If the arror recurs, call your authorized earvice representativa.
140, 5 beeps	Spelling function error	Contact your authorized service representative.
160, 6 beeps	Disketta option error	Contact your authorized service representative.
161, 5 beeps	Diekette drive Improperly connected to typewriter	Check the connection between the diskette drive and the typewriter. Make our the cable is securely attached. Turn the typewriter off. Weit 30 seconds, then turn the typewriter on again. If the error recurs, contact your authorized service representative.
162, 6 beeps	Diskette option error	Contact your suthorized service representative.
215, 6 beeps	Printwhael not installed prop- erly	1. Turn the typewriter off. 2. Meke sure the printwhast was installed correctly. 3. Turn the typewriter back on. 4. If the error recure, contact your authorized service representative.
All other codes, 6 beeps	Verlous .	Turn your typewriter off. Wait 30 eeconde, then turn your typewriter on. If the arror recurs, call your authorized service representative.

Messages and Indicators without Beep Signals

indicators may blink or appear with other symptoms to signal a particutar condition, Indicators diaplayed in reverse lettering (white letters on black background) usually mean that the typewriter is walting for you to take action.

Message Condition		Action	
BUSY	The typewriter is proc- essing an inetruction you gave it. For example, BUSY eppears while the typewriter finds text.	Do not type while BUSY is on. Do not turn the typewriter off while BUSY is on.	
OISKETTE BUSY	A diskette operation is in progress. For exemple, DIBKETTE BUSY appears while a job is copied to typewriter storage from the diskette. The message goes off when the operation is complete.	Do not remove the diskette from the drive while the OISKETTE BUSY message is displayed. Do not turn the typewriter off while the DISKETTE BUSY massage is displayed.	
OISKETTE ERRDR; REDUESTED FUNCTION NOT PERFORMED	An error occurred wrills reading from or etoring on the disketts. The disketts may not have been prepared, the disketts may have been demaged, or the sefected job may contain invalid date.	Try the same operation again; or insert a different diskette and repeat the operation.	
DISKETTE NOT USABLE; INSERT NEW DISKETTE AND PRESS CRIM DR PRESS 48 TO CANCEL	This message appears only during the PREPARE operation. Required information could not be pleced on the diskette, or the diskette was removed before PREPARE was completed. The diskette must be a 3.5 inch 1MB diskette. Using the wrong type of diskette will ceuse this error.	If the diskette was not removed, try e new diskette. It the diskette was removed, put it back in the diskette drive and repeat the PREPARE operation.	
DISKETTE PREPARA- TION COMPLETE	Diskette preparation was properly completed.	Press any key to clear the message from the display.	

Messege	Condition	Action
DISKETTE TEXT WILL. BE LDST; PRESS. CRIN TO CONTINUE OR PRESS STD CANCEL	You have eliampted to prepare a used diekette. The diskette may have tobs stored on it or may only have been prepared.	To check the contents of the diskette: 1. Press the Correction key. 2. Press the Menu ksy. 3. Select DISKETTE. 4. Select DIRECTDRY to view the diskette directory and see what jobs are stored on the diskette. If you want to prepere the diskette anywey, press Correction, then repeat the Prepare operation. Any jobs stored on the diskette are crased as the diskette is prepered.
OISKETTE WAS EXCHANGED: PRESS CRIM TO CONTINUE DR PRESS Ø TO CANCEL	A different diskatte was pleced in the diskette drive since diskette revision or pleyback was started.	If the message relates to playback, place the correct diskette in the diskette drive and press CRIm to continue or press the Correction key to cancel pleyback. If the job is being stored on the diskette, press CRIm to proceed with storing the job, Press the Correction key to return to revision. Note: If the typewriter is turned off with a diskette job open for revision, it is atored on the diskette when the typewriter is turned on again.
OISKETTE WRITE- PROTECTED; REQUESTED FUNCTION NOT PERFORMED	The write-protect tab on the diskette is open.	1. Do one of the following: Close the write-protect window; or Insert en unprotected diskette. 2. Try the operation egain. Note: To guit the job without storing revisions on diskette, are page 8-14.
"FROM" STORAGE DOES NOT EXIST; USE ANOTHER STORAGE NUMBER OR PRESS STO CANCEL	This message is displayed only during the COPY tunction. The specified "FROM" number cennot be found.	Do one of the following: Specify an existing document; or Press the Correction key to cencel the COPY function.
HYPHEN (Reverse Lettering)	You are playing back a job with HYPHEN on. The type- writer stopped playback and is waiting for you to make a hyphenation deci- sion.	See "Hyphenation during Playbeck" on page 5-3 for information.

Messaga	Condition	Action	
INSERT DISKETTE AND PRESS CRIN TO CONTINUE OR PRESS CONTOCEL	You have selected a diskette function and no diskette le in the driva.	Insert the proper diskette and prese CRin to perform the operation, or prese the Correction key to cancel the operation.	
INSERT DISKETTE AND PRESS CRIM TO CONTINUE. GI TO CANCEL OR Del TO DELETE	You ere trying to stora a job on diskette and no diskette is in the drive.	Do one of the following: Insert the proper diskette end press CRtn to store the job on the diskette. Press tha Correction key to return to revision. Press Del twice to end the job without storing revisions. Nota: If the typawriter is turned off with e diskette job open, it le stored on the diskette when the typewriter is turned on again.	
INSERT DISKETTE AND PRESS CRIT TO PREPARE OR PRESS © TO CANCEL	You have assected the diskette prapare function.	Insert the diskette you want to prepere in the diskette drive end press CRtn. If you do not went to prepere the diskette, press the Correction key.	
INSERT SCRATCH DISKETTE AND PRESS CRIN TO CONTINUE OR PRESS	You have selected a func- tion intended for the use of service personnel.	Press the Correction key to cancel the operation. Do not press CRta; this may result in the loss of jobs stored on the diskette.	
CANCEL			
INSUFFI- CIENT DISKETTE STORAGE; USE DO TO DELETE STORAGE AREAS	There is not enough storage space on the diskatte to hold the job you are trying to store.	Do one of the following: Use another diskette; or Use the delete function to make edditional room on the diskette.	

Mossege	Condition .	Action
INSUFFI- CIENT TYPEWRITER STORAGE: USE DEI TO DELETE STORAGE AREAS	There is not enough storage apace in the type-writer to hold the job you are trying to revise.	Delete typewriter etorage areas to free anough atorage epace to feviae the job. Nota: You can copy the typewriter storage areas to a diskette before you delete them from typewriter storage.
SPELL (Reverse Lettering)	The Spelling function dic- tionary does not support an alternate language key- board; Or	Hold down Coda while you press t. (Lang).
	The Spelling function is on, but is not checking for misspelled words. You ere using another typewriter function that makes the Spelling function inactive temporerily. For example, you may be proceeded.	Turn off the accord function, and the Spelling function will again be ective.
STORE (Reverse Lettering)	Storage is almost full.	See "Storage Full Warning" on page 4-8.
TO' STORAGE ALREADY EXISTS; USE ANOTHER STORAGE NUMBER OR PRESS 62 TO CANCEL	This message is displayed only during the Copy function. The specified "TO" number elreedy exists.	Do one of the following: Use e new "TO" number that does not already exist; or Dalate the "TO" number and try the Copy function again; or Press the Correction key to cance! the Copy function.
UGE INCL OR PRESS LMAR AGAIN TO RESET DOCUMENT MARGIN OR GETO CANCEL	This message is displayed when you press LMer white storege is open.	Do one of the following: Set e temporery left mergin as Instructed on page 2-12; or Press LMar to change the left mergin for the entire job; or Press the Correction key to cencel the message.
USE IMPR OR PICESS RMGF AGAIN TO RESET DOCUMENT MARGIN OR GITO CANCEL	This message is displayed when you press RMar while atorage is open.	Do one of the tollowing: Set a temporery right margin es instructed on page 2-12; or Press RMar to change the right mergin for the entire job; or Press the Correction key to cancel the messags.

STREEFFERSTR

Message	Condition	Action
WHEEL (Ravarse Lattering)	You era attampting to type without a printwhaal instellad in the typewriter; or You were playing a job or uaing Delay Print, Centering, Decimal Tabulation, or Right Flush. The incorrect pitch printwheel is currently insielled; or An atternate kayboard la going to ba salectad.	1. Install the printwheel pitch indicated by the numbers following the WHEEL indicator. 2. Resume typing or playback. Or 1. If you need to print a character from an elternate keyboard, make aura the proper printwheel is installed. 2. Press End.
= ?? ???????	Information from different equipment is stored on the diskatte.	In order to gain access to the informa- tion, you must use the diskette with the equipment on which it was entered.

Display Symbols

The following symbols may appear during normal operation of the

Symbol	Meaning		
77	Bold. This symbol is displeyed above each character typed using Bold.		
-	Centering. This symbol is displayed at the beginning and and of centered text.		
*	Decimal Tab (Begin). This symbol shows where the decimal tab text begins.		
	Decimel Teb (End). This symbol shows where the decimal tab text ends.		
e l	indant Cleer. This symbol is displayed when you hold down Code while you press CRIn to end indenting. The symbol is displayed only when revising a stored job.		
-	Indent Left. This symbol is displayed when you hold down Code while you press Teb to set a tamporary left margin.		
륀	indent Right. This symbol is displayed when you hold down Code while you press RMar to set a temporary right margin.		
‡	Lina Spece. This symbol is displayed naxt to the current line space setting (1, 1%, 2, or 3).		
700 200	Mark. These symbole are displayed when you hold down both Code and Shift white you press it to mark a form layout. These symbols are displayed only when revising a storad job.		
# •	Pitch Change. This symbol is displayed whan you resuma typing after changing pitch.		
¥	Required Cerrier Raturn. This symbol shows a carrier return that always pleye back. For example, if you press CRtn before the right mergin, the carrier return is required. The typewriter always plays back that cerrier return at that point in the job. It several symbols are displayed together and/or a symbol is displayed at the beginning of a line, one blank line will play back for each symbol.		
1	Required Page End. This symbol is displayed when you hold down Cods while you press E to end a page of a multipage job. This symbol is displayed only whon revising a stored job.		
H 3	Right Flush. This symbol shows you where right flush taxt bagins and ends,		

Symbol	Meaning
-	Subscript. This symbol is displayed when you hold down Code while you preas H to type a subscript.
t	Superscript. This symbol is displayed when you hold down Code while you press Y to type a superscript.
8	Stop Code. This symbol is displayed before and after a stop code comment, if you did not type a stop code comment, two symbols appear to show the position of the stop code.
> <	Stop Code, During playback, these symbols are displayed when play- back stops for a stop code and you have not typed a stop code commant. If you typed a stop code commant, it is displayed between the symbols.
+	Tab. This symbol is displayed when you press Teb.

Display Indicators

Cispley	Description	Page
ARTN	. Automatic Carrier Return on	2-1
APAGE	Auto Paga End on	4-13
BOLD	Bold Print on	2-11
BUSY	Typewriter Busy	1-3, 8-10
CAPS	Capa on	7-17
CENTER	Centering on	2-8
CONT	Continuous Underline on	2-4
OEC T	Decimal Teb on	2-14
DL PRT	Delay Print Mode on	2-17
HYPHEN	Hyphenation on	2-1, 5-4
IMPR n	impression Level (1, 2, or 3)	1-15
JSTIFY	Justitication on	2-18
1, 1 1/4, 2, 3	Line Specing	1-0
KYBD non	Keyboard (number)	6-2
LO-BAT	Low Battery	8-8
NO PRY	No Print Mode on	2-17
PLAY	Play	3-6
RFLUSH	Right Flush on	2-7
SHIFT	Shift	1-17
SPELL	Spell Verification on	A-3
STORE	Storage open	3-2
SUSPND	Suspended Playback	5-20
TADJ	Tab Adjust on	4-17
WHEEL nn	Insigil Wheel (number)	2-21, 3-26

ypewriter Mess	ages
Massage	
GLOBE MATCH FOUND, PRESS CH	NG TO CHANGE OR PRESS & TO CANCEL
END OF PAGE REACHED	•
END OF RIESON (sensor-squippe	d muchines only)
	RAGE: USE DAI TO DELETE STORAGE AREAS
DUT OF PAPER (sensor-squipped PAGE LENGTH IN BOTTOM M	
PRESS CRIM TO SELECT OR PRES	IS TO CANCEL
PRESS CHIS TO CHANGE OR PRE	ES OF TO CANCEL
PRESS DM AGAIN TO DELETE AL	L STORAGE AREAS OR PRESS 42 TO CANCEL
PRESS DIE AGAIN TO DELETE OR	PRESS OF TO CANCEL
PRISES DA AGAIN TO DELETE ST	PRAGE IN OR PRESE OF TO CANCEL
PRESS End TO CONTINUE OR PRE	
STOMAGE CLEARED	A CA BUILDING
STORAGE EMPTY	
TEXT NOT FOUND	
TYPE BLD TEXT: TYP TYPE BTOP GODE COMMENT:	E NEW TEXT:
TYPE STORAGE NUMBER:	
TYPE TEXT TO FINO:	
THE INCL. OF PRESS LAME! AGAIN	O NESET DOCUMENT MARGIN OR OF TO CANC
	TO REBET DOCUMENT MARGIN OR - TO CANO
	20 204 74 27 27 27
	BE CRIM TO BELECT OR PRESS (\$ TO CANCEL SPELL
JOE T TO POSITION AND PRES	5 Store, Play OR Det KEY
	:
	:
	:
	:
	: -
	•
	:
	•

Spelling Function Messages

Message	Page
HO WORD AVAILABLE	A-7
OPERATOR ACTION REQUIRED	A-8
SUPPLEMENTAL DICTIONARY EMPTY	A-6
USE ← ↑↓ → TO POSITION, CODE+3 TO DELETE WORD FROM SUPPLEMENTAL DICTIONARY	A-5
WORD SPELLED CORRECTLY	A-7

Diskette Option Messages

Mestege	Fage
COPY "FROM" STORAGE NUMBER: "TO" STORAGE NUMBER:	B-18
DIBKETTE BUSY	6-10
DISKETTE ERROR; REQUESTED FUNCTION NOT FERFORMED	8-10
DISKETTE NOT USABLE, INSERT NEW DISKETTE AND PRESS CRITI OR FRESS 48 TO CANCEL	8-10
DISKETTE PREPARATION COMPLETE	8-10
DISKETTE TEXT WILL BE LOST; PRESS CAIR TO CONTINUE OR PRESS 40 TO CANCEL	3 -11
DISKETTE WAS EXCHANGED, PRESS CRIM TO CONTINUE OR PRESS . TO CANCEL	8-11
DISKETTE WRITE-PROTECTED; REQUESTED FUNCTION NOT PERFORMED	8-11
"FROM" STORAGE DOES NOT EXHITE, USE ANOTHER STORAGE NUMBER OR PRESS (\$ TO CANCEL	8-11
INSERT DISKETTE AND PRESS CRITI TO CONTINUE, OE TO CANCEL, OR Dail TO DELETE	B-14
INSERT DIBKETTE AND FREES CRIS TO CONTINUE OR PRESS OF TO CANCEL	8-12
INBERT DISKETTE AND PRESS CRIS TO PREPARE OR PRESS OF TO CANCEL	8-12
INSERT SCRATCH DISKETTE AND PRESS CRIM TO CONTRILE OR PRESS CE TO CANCEL	8-12
INSUFFICIENT DISKETTE STORAGE; USE DOI TO DELETE STORAGE AREAS	8-12
"TO" STORAGE AREA ALREADY EXISTS, USE ANOTHER STORAGE NUMBER OR PRESS & TO CANCEL	8-13
TYPE DISKETTE TITLE:	B-9
URE ← → TO PORITION AND PREBS CRID TO SELECT OR PREBS © TO CANCEL DIRECTORY LIST TITLE PREPARE	6-4
-33 3333333	8-14, B-15

Appendix A. Spell Check II

Spell Check It allows you to check the spelling of words as you type. In addition, you can choose en alternete word for one you heve typed. After you type a word, the spelling is checked against a mein dictionery and e supplemental dictionary. The main dictionery contains epproximately 120,000 words. The supplemental dictionary can contein up to 300 words.

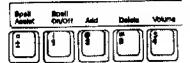
You must end the word bafore it can be checked. The end of a word is recognized, and the word is checked when you type a space or other word ending after the word.

When you type a word that does not match a word in either dictionary, you will heer e beep. This beep, called the spelling beep, has a different tone from the normal typewriter beep. Only words of 23 characters or tewer are checked. The Spelling tunction beeps to indicate an error when a word with more than 23 characters is typed. Some correctly epelled words may cause a spelling beep because they are not in either dictionary; for example, proper names, abbreviations, and technical terms. You will learn how to create a supplementel dictionery so that these words are not treated as spelling errors.

Capitalization is checked in both the main and supplemental dictionaries. If the word ingerman is in the dictionary, typing the word ingerman causes Spell Check II to beep. Compound words, such as mother-in-law, are checked as one word.

Spall Chack II allows you to ask for assistance with a word. Both the main and aupplamental dictionaries are searched for similarly spalled words. A line of up to six words is displayed so that you may choose one to replace the word you typed.

Usa tha ±, 1, 2, 3, and 4 kays with the Code key to activate the various functions of Spell Check II. The words labeled above the keye are printed in green to show that these keys are used with the Code key.



Using Spell Check II

You can use your typawritar with the Spelling function on or off. The Spelling function setting is saved when you turn the typewriter off as long as the typewriter batteries are good. In other words, if the function is off when you turn the typewriter off, it will be off when you turn the typewriter off, it will be off when you turn the typewriter back on.

To turn the Spelling function on, hold down Gode while you press 1. The spelling been sounds and the SPELL indicator is displayed.

To turn the Spelling function off, hold down Gode while you press 1. The printwheel epins and the SPELL indicator goes off.

If you type a word not found in either the main or supplemental dictionary, the spelling beep sounds. You can:

- Ignore the beap and continue typing.
- Corract the misspalled word.
- Dacida that the word is not misspelled and should be added to the supplemental dictionary. (You will learn about this choice in "Adding a Word to the Supplemental Dictionary" on page A-4.)
- Aek for agaistance with the word. See "Spell Assist" on page A-7.

Supplemental Dictionary

The supplemental dictionery is a dictionary you creets for your own needs, it contains special words that you use often which are not found in the main dictionary; for example, proper names or technical terms. The contents of the supplemental dictionary are seved when the typewriter is turned off as long se you have good batteries installed in the typewriter.

Unlike the main dictionery, the supplemental dictionary can only check a word exactly as you typed it. The word is not checked for plurele, prefixes, or suffixes. For example, if you add the word frog to the supplemental dictionary, frogs will still cause the spelling beep to sound as if it were a misspelled word.

Eech time you edd e word to the supplemental dictionary or type a word alreedy in the supplemental dictionery, that word becomes the first word in the dictionary. All other words move back one piece. Therefore, the words that ere used most often are in the front of the dictionery. The Spell Check II supplemental dictionery can hold up to 300 words or 3,000 characters, whichever is less. When the dictionary is full end you edd e word, the last word in the dictionary is deleted.

Adding a Word to the Supplemental Dictionary

If the lest word you typed or moved over ceused the epelling beep to sound and it is 23 characters or fewer, you can edd it to your supplementel dictionery. Remember, you must end the word with a spece or punctuation (or move over the word ending) before edding it to the supplementel dictionary.

If you ere moving through e job, the lest word checked cen be added to the supplemental dictionery if the spelling beep sounded efter the word. The cursor will be to the right of end not on thet word.

Hold down Code while you prese 2 to add the last word you typed or moved over to the supplemental dictionary. The printwheel spins when the word is edded.

Deleting Words from the Supplementel Dictionery

If you eccidentally edd e misspelled word to the supplementel dictionary, you cen delete it. You must end the word with e spece, punctuation, or other word ending before you cen delete it.

Hold down Cade while you press 3 to delete the lest word you typed or moved over from the supplemental dictionary. The printwheel spins when the word is deleted.

Viewing and Deleting Words from the Supplemental Dictionary

In Spelf Check II, you can view the worde in the supplemental dictionary on the displey end then delete them. The words ere displeyed in the order they ere etored in the dictionery.

- 1. Prese the Menu key. A list of functions is displeyed.
- Select SPELL. The following message is displayed along with the first word(s) in the supplemental dictionary.

usa sali de no resino a mora mora de seguir sono promisure de la porte dela porte dela porte de la porte de la porte dela porte de la porte de la porte de la porte de la porte dela porte de la porte dela porte de

- Use the ←, †, ↓, end → keys to view the worde in the supplemental dictionary.
 - Five saterisks (*****) indicate the end of the list of words in the supplemental dictionary.
- To delete e word, move the cursor to the word to be deleted. Hold down Code while you press 3. The printwheel spine when the word is deleted.
- 5. Press the Correction key to resume normal typing.

Note: You can press the Home key to view the first words in the supplemental dictionery or press End to view the last words. The SUP-PLEMENTAL DICTIONARY EMPTY message is displayed if there are no worde in the supplemental dictionery when SPELL is selected.

Checking All Words in a Job

In addition to checking the spelling of words as you type, you can check the apeiling of a job that is already stored. This is called batch spall check.

- 1. Make aure the SPELL indicator la on.
- 2. Hold down Store while you press the number where the job le stored. The Store indicator comes on.
- 3. Select No Print.
- 4. Prass Play to turn the PLAY Indicator on.
- Prees End.
 - . The dieplay goes blank end the BUSY Indicator blinks while the job le baing checked.
- 6. If e misspelled word occurs, the spelling beep eounds end tha text is displayed. You can do on a of the following end then press End to continue:
 - ignore the misspelled word.
 - Correct the misspelled word by using the Correction key.
 - Hold down Code while you press 2 to add the word to the supplamantal dictionary.
 - Ask for essistence if Spell Check II is Installed. (See "Spell" Assist" on page A-7.)
- 7. Rapeat eteps 5 and 6 until the job le checked.

Spell Assist

Spell Check it allows you to ask for essistance when you type a word that causes the spelling beep to sound. However, the spelling beep does not have to sound before you can ask for essistance with e word. Any tima you went to choose en alternate epelling (not e eynonym) for e word, you can use Speli Assist. When you ask for assistence, both the main end supplamantal dictionerias ara seerched for words similar to the one you typed. If there ere similar words in either dictionary, they are displayed.

Notes:

- The Spelling function does not have to be on to use Spell Assist.
- Press the Correction key to cancal Spall Assist at any time.

Using Spell Assist

TEEFERSSEEFFEEFFEEFFEEFFEEFFEEFF

- 1. Use the Spacebar, ←, or → to move the cursor to the word or immediately to the right of the word with which you want assistence.
- 2. Hold down Code while you prass ±.
 - The BUSY message is displayed to let you know that the dictionaries are being egarched for alternate words. Then one of the tollowing is displayed:
 - The NO WORD AVAILABLE meseaga Indicates that there is not an alternate word available. Prese any key to continue.
 - Tha WORD SPELLED CORRECTLY meseage indicatae that the word metches one elready in the mein or supplemental dictionary. Prass any key to continue.
 - A list of altarnata words, eimilar to the ona you typad, trom both the main and supplemental dictionaries is displayed it the word is spelled incorrectly or is not in one of tha dictionaries.

To choose one of the alternate words, move the cursor to the word and press CRtn.

Julia brushes her set dlofy SSTy Clisto Clery Clery Colory Colory

- If the incorrect word can be automatically replaced, it is arasad on the papar and on the display. The new word appears on the display as it is typed on the paper.
- If the OPERATOR ACTION REQUIRED message is displayed, followed by the word you chose, you will have to correct the word yourself. Make a note of the word so you can correct it later. Press any key to continue.
- 4. If you do not choose one of the alternata words, you can press the Correction key to cancel Spall Assist.

Changing the Sound of the Spelling Beep

You may want to change the sound of the epelling beep to e tone that is diffarant from the typewriter next to you, or to a volume that is more suitable to the level of noise in your work area.

Hold down Code while you press and release 4 until the spalling basp has the sound you desire. There are sevaral choices. The tone you selected is saved when you turn the typewriter off as long as the typewriter betteries are good.

Appendix B. Diskette Option

The Diskette Option gives the typewriter virtually unlimited storage spaca. Each diskatta will hold approximately 720,000 bytes (ebout 240 to 360 peges) in up to 99 storage areas. Since diskettes are removable, storage capacity is limited only by the number of diskettes you have. You can use a diskette to hold several large jobs, to stora confidential information, or to group jobs by their type (such as Mr. Smith's letters, wills, or forms). Use a diskette to store jobs that must be kept for a long period of time so that typewriter storage is available for current jobs. Jobs on a diskette are saved even when batteries run down. Contect your IBM Authorized Dealar to purchase a Diskette Option for your typewriter.

Using the Diskette Option

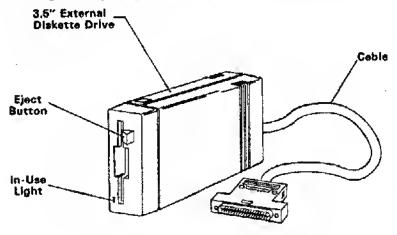
All of the functions of the typswritar are available when using the Diskatte Option. When a diskette job is baling ravisad, the entire job is copied into typewriter etorage. For this reason, stora most jobs on diskette to encure that typewriter storage is available for revising large diskette jobs. Ravisiona to disketta jobs ere saved on the diskette after you close diskette storage. There is avan a way to disregard the latest changes when you do not want to save tham.

Diskette Functions

Choosing DISKETTE from the Menu enables you to select from several diskette functions. You can view or flet the diskette directory, view or change the diskette title, or prepere a new diskette for use.

The Copy function ellows you to copy jobs wherever they ere needed. You can copy eny diskette job to diskette or to typewriter storege, or you can copy a job from typewriter storege to enother storege eree or to a diskette.

Before you use this section, read the first five chapters of this book. Review the sections explaining typewriter storage, playing back and revising stored jobs, and using the Manu function.

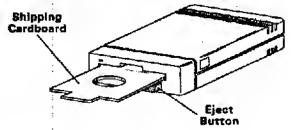


Setup Procedures

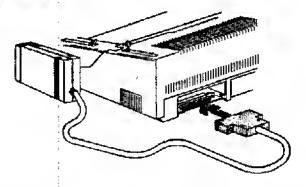
Before you use the diskette drive for the first time, meke sure that the ahipping cardboard has been removed from the drive.

Removing the Shipping Cardboard

Press the eject button to remove the shipping cardboard.



Attaching the Diskette Option



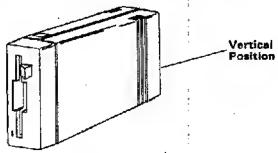
- 1. Make sure the typewriter is turned off.
- Push the Diskette Option cable plug into the socket located in the reer of the typewriter. Use the shape of the plug so a guide for ettaching it properly.
- . Tighten the ecrews.
- 4. Turn the typewriter on.

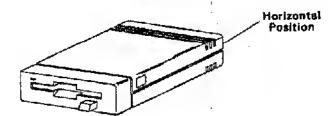
Note: If en error code is displeyed when you turn the typewriter on, see Chepter 8 for help.

Piacement of the Diskette Drive

Plece the diskette drive on e flet surfece, such es e desk top. Do not place the diskette drive on top of books or pepers.

The diskette drive may be pisced in either e vertices or horizontet position.





Definition of Terms

Reed the following terms and definitions to become familier with them.

- Diskette. A diskette le e magnetic storege medium (3.5 inch) on which jobs are stored. It mey also be referred to as a disk, floppy diek, or minidisk. The term diskette is used in this manuel.
- Diskette Drive. A diskette drive is e device used to gein access to the jobs etored on a diskette.
- Job. A job is snything you type end store on your typewriter. A job cen be a word, line, sentence, peregraph, page, or several pages.
- Write-Protected. Write-protected means the write-protect tab is locked eo that you cennot delete or store over jobs stready stored on the diskette.

Using and Handling Diskettes

Use only 3.5 Inch double-eided, double-density diskettes, such as IBM 1MB capacity diskette (PN6404107).

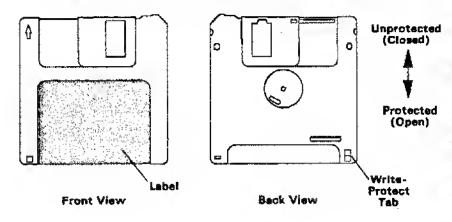
Handle your disksttes with cere at all times to keep from dameging them or losing jobs stored on them. The following precsutions will help you take cere of your diskettes:

- · Do not place diskettes neer food, drink, or eshtrays.
- Do not piece diskettes neer meteriele that might be magnetized.
 All of the jobs etored on the diskette will be lost.
- Keep the diskettes ewey from heet greater than 125 degrees. Fehrenheit (51.5 dagress Celsius) or direct eunlight.

Write-Protecting Diskettes

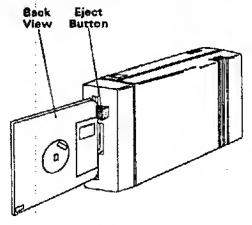
You can write-protect a diskette so that jobs as not be stored on or eresed from the diskette. Follow these steps to check whether a diskette is write-protected:

- 1. Hold the diskette in your hend so the lebel is ewey from you.
- Notice the write-protect teb and the smell opening in the corner of the diskette, es shown below. If you can see through this opening, the diskette is write-protected.
 - To permit storing on the diskette: slide the write-protect teb to the closed (unprotected) position.
 - To write-protect the diskette: slide the tab to the open (protected) position. You can see through the teb opening.



Inserting a Diskette

Important: Never insert e diskette while the in-Use light is on. It you do, stored jobs will be lost. See page B-2 for the location of the in-Use light.



- insert the diskette into the drive so that the printed label on the diskette faces awey from the blue eject button on the diskette drive.
 - Meke sure the diskette clicks into place.
- 2. Turn the typewriter on. The Diskette option eutomatically comes on when you turn the typewriter on.

Removing a Diskette

Important: Do not remove e diskette while the In-Use light is on, or when the DISKETTE BUSY indicetor is displeyed. If you do, etored jobs will be lost. See page B-2 for the location of the In-Use light.

Press the blue eject button on the front of the diskette drive to remove the diskette. The diskette ejects from the drive.

Preparing a Diskette

Before you can use e diskette for the *first* time, you must prepere it. A diekette only needs to be prepered once. Preparing e diskette agein deletes all jobs on the diskette. Prepering the diskette ellows you to store jobs on the diskette. You start the PREPARE function through the menu.

1. Press the Menu key. The following information is dieplayed:

DIRECTORY THAT SAME SOME DIRECTOR OF SAFETY OF SAFETY

2. Select DISKETTE.

USEA -- TO POSTITION AND PRESS CATE TO SELECT ON PRESS OF TO CANCEL.
DIRECTORY LIST PAGE-FORMY TISCETTE COPY SPELL

3. Select PREPARE.

USE 4 - TO POSITION AND PRESS CRIM TO SELECT ON PRESS ONTO CANCEL

QUARTERS - TO POSITION AND PRESS CRIM TO SELECT ON PRESS ONTO CANCEL

4. Insert e diekette, then press CRtn to prepere the diskette.

INSERT DISNETTE AND PRESS CRUT TO PREPARE OF PRESS OF TO CANCEL

If the diskette was previously prepered, the following messege is displeyed:

DISPETTE TEXT WILL BE LOST: PRESE CREA TO CONTINUE OR PRESE OF TO CANCEL

Note: Pressing CRtn will erese all jobs previously stored on the diskette. If you do not went to prepare the diskette, press the Correction key to cancel.

The DISKETTE BUSY Indicator is displayed during preperation.

If e diskette problem occurs during diskette preparation, the following message is displayed:

DISSETTE NOT USABLE; INSERT NEW SISCETTE AND PRESS CRIM ON PRESS OF TO CONCE.

- e. Press the Correction key to cancel; or
- b. Insert a different diskette, then press CRtn to continue.
- When the following meesage ie displeyed, type the title of the diskette.

yar olsevie taus.

- A diskette title is not required, but naming helps you identify the diskette.
- A title mey have 1 to 50 characters; for exemple, it may consist of elletter of the alphebet, e number, a dey of the week, or a epecific job nems (Wills, Leese Agreements, Form Letters, The Welman Report, or meiling list).
- Press CRtn. The DISKETTE PREPARATION COMPLETE messege is displayed.
- Press eny key to cleer the message from the display, then
 remove the diskette. You mey lebel the diskette using eny writing
 instrument.

Diskette Storage

Before you begin this eection, you should be familier with using storage on your typewriter es discussed in Chapters 3 and 4, and with the use of the Menu key. For details on storage end the Menu key, see pages 3-1 through 4-19.

This section explains how to use the Diskette Option for etoring jobs.

Important: Do not turn the typewriter off or remove e diskette while the In-Use light is on, or when the DISKETTE BUSY indicator is displayed. If you do, stored jobs will be lost. See page B-2 for the location of the in-Usa light.

When you revise e job on the diekette, the diakette job is temporerily kept in typewriter atorege. Therefore, the amount of spece eveileble for revising e disketta job is determined by the emount of unused typewriter storege. The following message is displayed if the diakette job is too large:

HIGHTICIDAL PREMILIDATIONAS: ASE DAI TO DELETE BIOLICE AVEAS

Storing all jobs on diskette provides the most spece in typewriter storage for revieing diakette jobs. If you already here several jobs stored in typewriter storage, you may went to copy them to diskette before deleting them from typewriter storage. See "Copying Jobs" on page B-18 for more information.

Diskette storage is similer to typewriter storage in that eli operationa described for typewriter storage ere functional in diskette etorage. You may find it useful to think of diskette storage as an extension of typewriter storage. For example, you can store e job in storage erea 1 on the typewriter. You can also store a job in storage eree 1 on the diskette.

You igerned to open a storage erre on your typewriter by holding down Store while you type a number (1 through 99). For example, to use storage area 5 on the typewriter, press:



To stors on a diakatte, hold down Store white you prees — (equal) and a number (1 through 99). For exemple, to use storage area 1 on a diskette, prees:



Note: You do not need to keep holding the - (equal) key down white typing the job number.

Storing a Job on a Diskette

- 1. Hold down Store while you press = (equel) and a number (1 through 99) where you went to store the job.
- Release all keys.
- Type the job.
- Press Store to close diskette etorage.

Note: See pages 3-1 to 3-3 for more information on etoring jobs.

Playing Back a Job Stored on a Diskette

- 1. Press Frmet to check mergin and teb settings before playing back your lob.
- 2. Hold down Pley while you preas = (equel), then type the number (1 through 99) where you stored the job.
- 3. Release the keys.
 - Playback begins immediately.

Note: See pages 3-4 to 3-7 for more information on playback.

identifying the Current Diskette Storage Area

As you store or reviee a job on the diskette, you may want to know which storage eree is open. To identify e diskette storage aree, use the Menu tunction as you did to identify a typewriter storege erea. The only difference in the display message is that an equal (=) sign appeare with the diskette storage eree. For exemple: =5. It you need help, see page 4-1.

> Diskstte Storage

USE --- - TO POSITION AND PRESS CREM TO SELECT OR PRESS OF TO CANCEL --DIRECTORY LIST PAGE TOWART DISKETTE COPY SPOL

Revising a Job Stored on a Diskette

- Hold down Store while you press = and the number where you stored the lob.
- Release all keye.
- Revise the job.
- Press Store to close diskette storage.

Note: See pages 3-14 to 3-24 for more detaile.

Deleting a Job Stored on a Diskette

- 1. Hold down Del while you press and the number of the diskette storage area you want to delete.
- 2. Press Del agein to delete the diskette storage area.

Note: For more information about deleting stored information, see pege 3-17,

Canceling Delete

Press the Correction key to cencel delete when the following message ie displayed:

PRESS ON AGAIN TO DOLETE STORAGE =2 OR PRESS OF TO CANCEL

Deleting Ali Diskette Storage Areas

Use the PREPARE tunction to delete all information on a diskette. See "Prepering a Diskette" on pege B-8 tor more information.

Quit Revision without Storing

Follow the steps below to quit the job you heve been reviaing without etoring eny revisions on the disketts.

- Remove the diskette from tha diskatte drive.
- Press Store to close storege. The following messegs is displeyed:

INSIST DISCUST MO MESS ON TO CONTINUE, OF TO CARCELLOR DAI TO DELETE

- Press Del.
- Praas Del again.

Using More than One Diskette

When you revise a diskatte job, the typewriter remembers the diakette where the job was stored. If you piece e differant diskette conteining e job with the sema number in the drive end preas Store to close storage, the following message is displeyed;

MAKETE MAS BROWNED PRESS CHARGE THE MEDITAL OF PRESS OF COME

Do one of the following:

- To store your revisions on the original diskatte, insert the correct diakette in the driva and press CRtn.
- Press CRtn without changing the diskette to stors your ravisions on the diskette in piece of tha job on that diskette.
- Press the Correction key to return to revision without etoring the iob.

The typewriter also remembers the diskstte from which e job is pleyad. When diskette playbeck is stopped, some of the displeyed text is read from the diskette. If a diffarent diskette is in the drive when the typawritar updatas the display, the massage ebove is displayad. To continue, you must Insert the correct diekette in the drive and prass CRtn. Pressing tha Correction key cancela playback.

Diskette Directory and List

Disketta Directory and Disketts List work in much the eema wey ea the Directory end Liet functions discussed in Chapter 5.

Diekette Directory and Diekette List may look slightly different from the ectuel contants of your diskette job. For exemple, text which has been typed using the Bold, Underline, Superscript, and Subscript functions will be displeyed as normal taxt.

Note: Information from other equipment, euch es en IBM Personel Typing System_™ or en iBM Personel Byatem/2®, can ba atored on the diskette. The following text is displeyed just before the diekette title to indicate the presence of this information:

=?? ????????

You must use the diskette with the appropriete equipment to geln eccess to the intermation.

Diskette Directory

The Diskette Directory function displeys a list of the contents of that diskette currently in the diskette drive. The directory ejso displeys the emount of storege spece remaining on the diskette and the amount used for each job. All typawritar Directory functions are evellable with the diskette directory.

Viewing the diskette directory is similar to viewing the typewriter directory:

- 1. Press the Menu key,
- 2. Select DISKETTE.
- 3. Select DIRECTORY.
- 4. Reed end follow the instructions that appear on the displey. If you need help, refar to steps 2 through 6 on peges 4-3 end 4-4.

Note: The diskatta titla is displeyed as the last item of the Diskatte Directory, Press End to viaw the disketts titla.

Diskette List

The Diskette List function is used to print a copy of the diskette directory. The printout is the same as the List function printout, with two exceptions:

- An equal eign (=) appears with the number of each diskette storage area.
- The diskette title (if any) is printed at the top of the list.

Printing a List of the Diskette Directory

- 1. Meke aura paper is in the typewriter.
- 2. Press the Menu key.
- 3. Seject DISKETTE.
- 4. Select LIST.
 - The printed jist should be similar to the exemple below.

682158 TITLE: The Welman Report

1 (Proposal)

012:4055 20000

= 2 In the late nineteenth centur

020:1090 10000

Note: For more information about listing jobs, see page 4-6.

Changing or Checking the Title of the Diskette

You have elraedy learned that you give a diskette a title when you are preparing the diskette. You may went to change or check a diskette title without erasing the jobs on the diskette. To check or change a diskette title:

- 1. Press the Menu key.
- 2. Seject DISKETTE.
- 3 Select TITLE
- Atter a few seconds, the following massage is displayed, followed by the current diskette title.



- 5. Press the Correction key to keep the current title.
- 6. If you want to change the diskette title, type the new title. When you begin typing the new title, the old title is eutometically eresed from the display.
 - If you decide not to change the title after you have typed part of e new title, press the Correction key until the title is blank. Then press the Correction key once more to cencel the Title function.
- 7. Press CRtn to store the new title on the diskette.

Copying Jobs

With the Diskette Option instelled, you can copy jobs in many different weye, for example:

- From diskette to typewriter storege.
- From typewriter storage to diakette.
- From one diskette etorege eree to enother diskette etorege eree on the seme diskette.
- From one typewriter storage area to enother typewriter storage area.

When copying to diskette, make eure the diskette you are copying to hee been properly prepared. See page B-8 for more information.

- 1. Prese the Manu key.
- 2. Select COPY.
- When the copy message eppears, type the number of the storage eres to copy "FROM".
- 4. Prese the Teb key to move the cursor to the next position.
- Type en = (equet) followed by the number of the storege eree
 you went to copy "TO".
- 6. Press CRtn.

For exempte, to copy from typewriter atorege aree 1 to diskette etorege aree \mathbf{S} :

COPY "FROM STORIES SALGERS ! "TO" STORIES GARRES .



Copying from One Diskette to Another Diskette

- Open the diskette etorege eree where the job you went to copy is stored.
- 2. Remove the first diskette from the diskette drive.
- 3. Insert the second diskette into the diskette drive.
- 4. Copy the diskette storege eree onto the second diskette.
- 5. Remove the second diskette from the diskette drive.
- 6. Press Store to close etorege.
- When the INSERT DISKETTE message is displayed, press Del two times

Helpful Hints

If you have an iBM Personal Typing System™ or an iBM Personal System/2®, you can copy an entire diskette at one time. For details, see the manual that came with your system.

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